



Web eco-design checklist

Version 3

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3. Check-list

ID GreenIT .fr	ID Eyrolles V2 et Opquast	ID Eyrolles V3	Tiers	Best practice	Prio.	Weigh.
109	1	1	Client	Remove non-essential features	1	3
110	2	2	Client	Precisely specify the need	1	3
111	3	3	Client	Improve the process flow	1	3
204	4	4	Client	Use input help instead of autocompleting	1	3
5	6	5	Client	Choose a design that is simple, clear and tailored to the web	1	3
6	7	6	Client	Favor a « mobile first » approach, otherwise use the RESS architecture	1	3
28	5	7	Client	Allow for quick navigation through the history	2	2
112	8	8	Client	Employ asynchronous processing when possible	1	3
180	9	9	Client	Limit the number of HTTP requests	1	3
205	10	10	Client	Store static data locally	1	3
2	12	11	Client	Use a framework or custom build	2	2
24	13	12	Client	Use as few plugins as possible	1	3
3	51	13	Server	Favor static pages	2	2
114	52	14	Server	Create a modular application architecture	1	3
1	11	15	Client	Choose the most suitable technology	1	3
4	53	16	Server	Use performance-orientated forks of applications	1	3
113	54	17	Server	Choose a suitable data format	1	3
170	55	18	Server	Limit the number of domains hosting the resources	2	2
910		19	Client	Replace official social media sharing buttons	2	2
18	23	20	Client	Generate CSS sprite sheets	2	2
9	24	21	Client	Split CSS	1	3
10	25	22	Client	Minimize the number of CSS files and compress them	1	3
11	26	23	Client	Favor CSS over images	1	3
13	27	24	Client	Write efficient CSS selectors	1	3
14	28	25	Client	Group similar CSS declarations	1	3
15	29	26	Client	Use shortened CSS notations	1	3
16	30	27	Client	Provide a print style sheet	1	3
17	31	28	Client	Use conditional comments	1	3
19	17	29	Client	Use standard typefaces	1	3
20	18	30	Client	Favor glyphs over images	2	2
8	15	31	Client	Check the Web pages with the W3C validator	2	2
7	16	32	Client	Externalize CSS files and JavaScript	1	3
23	19	33	Client	Delete image tags with empty SRC attributes	1	3
93	20	34	Client	Resize images outside of the browser	1	3
161	21	35	Client	Avoid using bitmap images for the GUI	1	3
1050	22	36	Client	Optimize vector images	1	3
1010		37	Client	Use a lazy load for images	2	2
40	49	38	Client	Use Ajax for content sections that are frequently updated	3	1
810	48	39	Client	Avoid expensive JavaScript/CSS animations	1	3
811	77	40	Client	Only use the essential sections of JavaScript and CSS libraries	1	3
43	43	41	Client	Do not modify the DOM when traversing	1	3
44	44	42	Client	Make DOM elements invisible during modification	2	2
42	45	43	Client	Keep repaint (appearance) and reflow (layout) to a minimum	1	3

41	46	44	Client	Use events delegation	1	3
34	32	45	Client	Modify several CSS properties at once	1	3
35	33	46	Client	Check JavaScript code	2	2

ID GreenIT .fr	ID Eyrolles V2 et Opquast	ID Eyrolles V3	Tiers	Best practice	Prio.	Pond.
30	34	47	Client	Avoid using try...catch...finally	3	1
31	35	48	Client	Use primitive operations	3	1
33	36	49	Client	Cache objects repeatedly accessed by JavaScript	1	3
37	37	50	Client	Use local variables	3	1
38	38	51	Client	Use anonymous functions (#38)	3	1
26	40	52	Client	Use functions instead of strings as the argument of setTimeout() and setInterval()	1	3
29	41	53	Client	Favor a loop over forEach() (or reduce())	2	2
32	42	54	Client	Keep DOM access via JavaScript to a minimum	1	3
36	47	55	Client	Favor instant visual changes	2	2
61	56	56	Server	Use a templating engine	3	1
60	57	57	Server	Use all the CMS' levels of caching	1	3
99	58	58	Server	Generate PDFs outside of the CMS	1	3
94	59	59	Server	Resize images outside of the CMS	1	3
96	60	60	Server	Encode sound outside of the CMS	1	3
1040		61	Server	Use a lightweight theme	1	3
53	67	62	Server	Avoid rewriting getter/setter natives	2	2
54	68	63	Server	Do not unnecessarily assign values to variables	3	1
47	62	64	Server	Cache frequently-used calculated data	1	3
64	61	65	Server	Cache the bytecode	1	3
62	69	66	Server	Use single quotes (') instead of double (")	3	1
63	70	67	Server	Replace \$i++ with ++\$i	3	1
49	63	68	Server	Free up the memory of variables that are no longer needed	1	3
50	64	69	Server	Do not call a function in the declaration of a for loop	1	3
51	65	70	Server	Remove all warnings and notices	1	3
48	66	71	Server	Use static variables	1	3
55	71	72	Server	Avoid running SQL queries inside a loop	1	3
56	72	73	Server	Only connect to a database if necessary	1	3
57	73	74	Server	Never write SELECT * FROM	1	3
59	74	75	Server	Limit the number of results	1	3
58	75	76	Server	Use stored procedures	3	1
12	78	77	Client	Minify CSS files	1	3
86	80	78	Server	Compress CSS and JavaScript libraries	1	3
89	81	79	Server	Combine CSS and JavaScript files	1	3
21	76	80	Client	Optimize bitmaps	1	3
88	79	81	Server	Minify JavaScript files	1	3
65	82	82	Server	Optimize the size of cookies	3	1
79	83	83	Server	Compress the HTML output	1	3
1060		84	Server	Favor HSTS Preload list over 301 redirections	1	3
1030		85	Server	Set up an end-of-life plan for the site	2	2
66	84	86	Server	Choose a 'green' web host	1	3
67	85	87	Server	Use 'green' electricity	1	3
501	86	88	Server	Adapt the quality of service and the service level agreement	1	3
70	87	89	Server	Use virtual servers	3	1
68	88	90	Server	Maximize the energy efficiency of servers	1	3
74	89	91	Server	Only install essential components on the server	1	3
85	90	92	Server	Only use in-memory caching	1	3

71	92	93	Server	Store data in the cloud	3	1
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ID GreenIT .fr	ID Eyrolles V2 et Opquast	ID Eyrolles V3	Tiers	Good practice	Prio.	Weigh.
73	96	94	Server	Host CSS and JavaScript resources on a cookieless domain	1	3
45	97	95	Server	Avoid redirections	1	3
46	98	96	Server	Do not generate 404 pages	1	3
77	94	97	Server	Use an asynchronous server	1	3
75	102	98	Server	Use a CDN	2	2
72	103	99	Server	Use a reverse proxy	1	3
22	104	100	Client	Cache the favicon.ico	1	3
78	105	101	Server	Add Expires or Cache-Control headers	1	3
91	107	102	Server	Cache Ajax responses	3	1
82	99	103	Server	Disable some web server access logs	2	2
84	100	104	Server	Disable Apache's DNS Lookup	2	2
81	101	105	Server	Disable Apache's AllowOverride directive	1	3
83	93	106	Server	Disable MySQL and MariaDB binary logs	2	2
97	108	107	Content	Compress documents	1	3
98	109	108	Content	Optimize PDFs	1	3
102	110	109	Content	Remove duplicate email addresses before sending	1	3
103	111	110	Content	Only use double opt-in email addresses	1	3
104	112	111	Content	Use plain text instead of HTML	1	3
95	113	112	Content	Adapt sounds to the listening environment	1	3
100	114	113	Content	Adapt text for the web	2	2
92	115	114	Content	Adapt videos to the viewing environment	1	3
101	14	115	Client	Limit the usage of Flash	2	2