

Converting Colors

$Y_{xy}(38.3857, 0.2206, 0.3098)$

Have a look what the booklet for
Yxy(38.3857, 0.2206, 0.3098)
contains.

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Color

Yxy(38.3857, 0.2206, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	11B8C4
RGB	17, 184, 196
RGB Percent	7%, 72%, 77%
CMY	0.9335, 0.2784, 0.2314
CMYK	0.91, 0.06, 0.00, 0.23
HSL	184°, 84%, 42%
HSV	184°, 91%, 77%
XYZ	27.3334, 38.3857, 58.1857
YIQ	135.4350, -103.3840, -31.6720

Conversions

Conversions Part 2

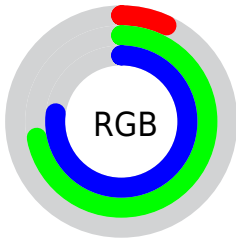
Format	Color
R _Y B	17, 103, 196
Decimal	1161412
CIE Lab	68.30, -33.35, -16.95
CIE LCh	68, 37.407, 206.940
Yxy	38.3857, 0.2206, 0.3098
Android (android.graphics.Color)	4279351492 (0xFF11B8C4)
YUV	135.4350, 29.8585, -103.8675
Hunter-Lab	61.9562, -29.6740, -12.3124

Details

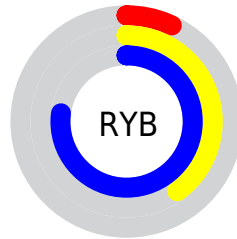
The Yxy color **38.3857, 0.2206, 0.3098** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **12.6504, 0.6182, 0.3356**, and the grayscale version is **24.3099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4153, 0.2367, 0.3133**, and **17.9183, 0.2175, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **37.7986, 0.2189, 0.3079**, and if you desaturate by 10%, it is **39.2011, 0.2239, 0.3120**.

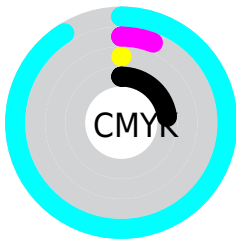
Distribution



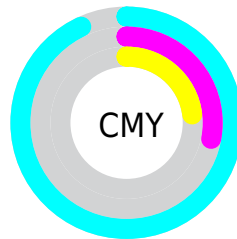
- Red (7%)
- Green (72%)
- Blue (77%)



- Red (7%)
- Yellow (40%)
- Blue (77%)



- Cyan (91%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)




- Cyan (93%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3857, 0.2206, 0.3098 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.3857, 0.2206, 0.3098 by changing the saturation by 10% instead.


 38.3857, 0.2206,
0.3098

 38.3857, 0.2206,
0.3098


339.2716, 0.2664,
0.3212

 26.2822, 0.2094,
0.3064


 72.6989, 0.2371,
0.3144

 17.0349, 0.1952,
0.3016


 95.6774, 0.2434,
0.3160

 10.2593, 0.1766,
0.2947


 123.0497, 0.2487,
0.3173

 5.5713, 0.1518,
0.2840

 155.2002, 0.2532,
0.3183

 2.5862, 0.1174,
0.2659

 192.5132, 0.2572,
0.3192

 0.9197, 0.0159,
0.2450

235.3732, 0.2607,

 0.0000, 0.0000,

0.3200

0.0000

284.1645, 0.2637,
0.3207

■ 38.3857, 0.2206,
0.3098

■ 38.3857, 0.2206,
0.3098

■ 37.7986, 0.2189,
0.3079

■ 39.2011, 0.2239,
0.3120

■ 40.2138, 0.2290,
0.3143

■ 41.4527, 0.2359,
0.3166

■ 42.9410, 0.2448,
0.3188

■ 44.6986, 0.2554,
0.3210

■ 46.7438, 0.2676,
0.3232

■ 49.0930, 0.2810,
0.3252

■ 51.7615, 0.2955,
0.3270

■ 54.7633, 0.3106,
0.3288

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3857, 0.2514, 0.3662



38.3857, 0.2206, 0.3098



38.3857, 0.2128, 0.2663

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.3857, 0.2206, 0.3098



38.3857, 0.3178, 0.2609



38.3857, 0.4004, 0.4144

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.3857, 0.2206, 0.3098



12.6504, 0.6182, 0.3356

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.3857, 0.4233, 0.3781



38.3857, 0.2206, 0.3098



38.3857, 0.3739, 0.2933

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.3857, 0.2206, 0.3098



38.3857, 0.2649, 0.2431



38.3857, 0.4140, 0.3347



38.3857, 0.3547, 0.4307

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.3857, 0.2206, 0.3098



38.3857, 0.2205, 0.2490



38.3857, 0.4140, 0.3347



38.3857, 0.4112, 0.4038

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.3871, 0.2206, 0.3098



86.2928, 0.2727, 0.3240



39.6818, 0.2986, 0.5868



18.1660, 0.2682, 0.3232



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.3871, 0.2206, 0.3098



68.3295, 0.2188, 0.3076



12.2052, 0.1774, 0.1520



11.3093, 0.2984, 0.3274



24.3408, 0.2190, 0.3082



1.0870, 0.2203, 0.3132

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.5948, 0.3367, 0.1661



27.4290, 0.3388, 0.1640



24.8279, 0.5068, 0.4281



10.2355, 0.3148, 0.3078



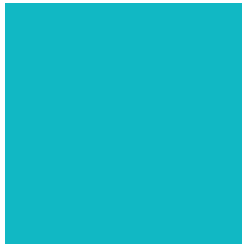
9.7394, 0.3383, 0.1637



0.4244, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 38.3857, 0.2206, 0.3098 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.3857, 0.2206, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

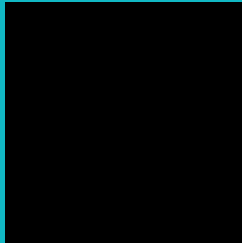
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

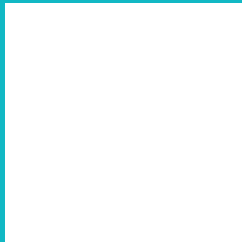
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3857, 0.2206, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 38.3857, 0.2206, 0.3098.

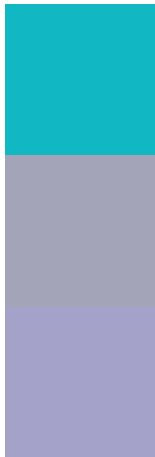


This preview shows how white text looks on a background with the Yxy color 38.3857, 0.2206, 0.3098.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

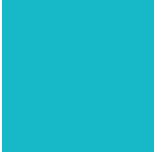
38.3857, 0.2206, 0.3098

Protanopia

37.7563, 0.2958, 0.3025

Deuteranopia

37.9502, 0.2825, 0.2765



Tritanopia

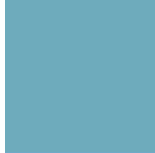
38.5867, 0.2199, 0.3053

Trichromacy



Original Color

38.3857, 0.2206, 0.3098



Protanomaly

36.0717, 0.2525, 0.3029



Deuteranomaly

36.2525, 0.2462, 0.2857



Tritanomaly

38.5176, 0.2201, 0.3068

Monochromacy



Original Color

38.3857, 0.2206, 0.3098



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4921, 0.2562, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3857, 0.2206, 0.3098 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(17, 184, 196)` looks like.

```
.text, #text, p{  
    color:rgb(17, 184, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(17, 184, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 184, 196) }
```

Border

The CSS property to change the border of an element to Yxy 38.3857, 0.2206, 0.3098 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(17, 184, 196) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(17, 184, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(17, 184, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 184, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 184, 196);  
box-shadow:4px 4px 4px 4px rgb(17, 184,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3857, 0.2206, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 184, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(17, 184,  
196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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