

Converting Colors

$Yxy(47.9338, 0.2397, 0.3298)$

Have a look what the booklet for
Yxy(47.9338, 0.2397, 0.3298)
contains.

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Color

Yxy(48.1636, 0.2398, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	50CAC9
RGB	80, 202, 201
RGB Percent	31%, 79%, 79%
CMY	0.6859, 0.2079, 0.2117
CMYK	0.60, 0.00, 0.00, 0.21
HSL	180°, 53%, 55%
HSV	180°, 60%, 79%
XYZ	34.9777, 48.1636, 62.7206
YIQ	165.4080, -72.3910, -26.1750

Conversions

Conversions Part 2

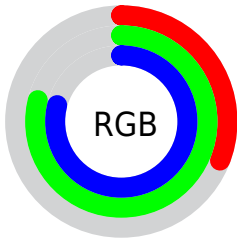
Format	Color
R _Y B	80, 141, 202
Decimal	5294793
CIE Lab	74.93, -33.62, -9.64
CIE LCh	75, 34.979, 195.994
Yxy	48.1636, 0.2398, 0.3302
Android (android.graphics.Color)	4283484873 (0xFF50CAC9)
YUV	165.4080, 17.5469, -74.9028
Hunter-Lab	69.4000, -31.4858, -5.0037

Details

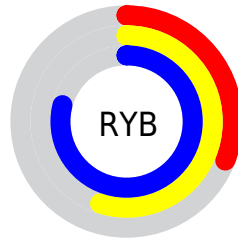
The Yxy color **48.1636, 0.2398, 0.3302** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.9004, 0.4990, 0.3284**, and the grayscale version is **37.7846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **22.9740, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **47.4058, 0.2335, 0.3304**, and if you desaturate by 10%, it is **49.1894, 0.2480, 0.3300**.

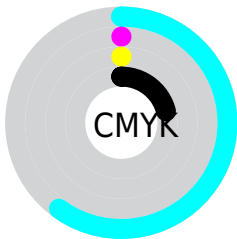
Distribution



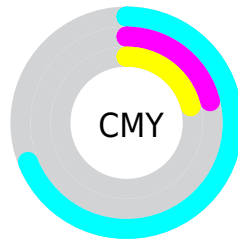
- Red (31%)
- Green (79%)
- Blue (79%)



- Red (31%)
- Yellow (55%)
- Blue (79%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (69%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1636, 0.2398, 0.3302 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 48.1636, 0.2398, 0.3302 by changing the saturation by 10% instead.

 48.1636, 0.2398,
0.3302


 48.1636, 0.2398,
0.3302


379.4402, 0.2752,
0.3305


 33.9565, 0.2313,
0.3299


 87.4479, 0.2524,
0.3305


 22.8602, 0.2206,
0.3293


 113.2939, 0.2572,
0.3306

 14.4903, 0.2068,
0.3282


 143.7883, 0.2613,
0.3306

 8.4624, 0.1883,
0.3262

 179.3155, 0.2649,
0.3306

 4.3923, 0.1624,
0.3223

220.2599, 0.2680,
0.3306

 1.8953, 0.1241,
0.3137

267.0059, 0.2707,

 0.5456, 0.0000,

0.3306

0.2955

319.9379, 0.2731,
0.3305

0.0000, 0.0000,
0.0000

48.1636, 0.2398,
0.3302

48.1636, 0.2398,
0.3302

47.4058, 0.2335,
0.3304

49.1894, 0.2480,
0.3300

46.8859, 0.2291,
0.3307

50.4993, 0.2580,
0.3297

46.5769, 0.2266,
0.3309

52.1141, 0.2697,
0.3295

46.4261, 0.2253,
0.3312

54.0516, 0.2828,
0.3293

56.3281, 0.2971,
0.3292

■ 58.9586, 0.3122,
0.3290

■ 61.9575, 0.3278,
0.3289

■ 65.3381, 0.3438,
0.3288

■ 67.7853, 0.3543,
0.3286

Harmonies

Analogous

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



48.1636, 0.2737, 0.3779



48.1636, 0.2398, 0.3302



48.1636, 0.2250, 0.2869

Triad

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



48.1636, 0.2398, 0.3302



48.1636, 0.2996, 0.2616



48.1636, 0.3994, 0.3941

Complementary

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



48.1636, 0.2398, 0.3302



18.9004, 0.4990, 0.3284

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.



48.1636, 0.4091, 0.3594



48.1636, 0.2398, 0.3302



48.1636, 0.3490, 0.2862

Square

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



48.1636, 0.2398, 0.3302



48.1636, 0.2573, 0.2517



48.1636, 0.3904, 0.3208



48.1636, 0.3660, 0.4150

Rectangle

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



48.1636, 0.2398, 0.3302



48.1636, 0.2268, 0.2667



48.1636, 0.3904, 0.3208



48.1636, 0.4057, 0.3835

Sweetspot

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



48.1654, 0.2398, 0.3302



92.2862, 0.2857, 0.3293



44.6179, 0.3047, 0.5217



19.5258, 0.2817, 0.3294



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.



48.1654, 0.2398, 0.3302



80.0003, 0.2322, 0.3305



25.6393, 0.2184, 0.2352



12.7255, 0.2985, 0.3291



29.8772, 0.2253, 0.3311



1.5418, 0.2252, 0.3306

Inverse Universe

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



18.9004, 0.4990, 0.3284



26.2969, 0.5589, 0.3287



31.6035, 0.4464, 0.4026



11.2151, 0.3289, 0.3289



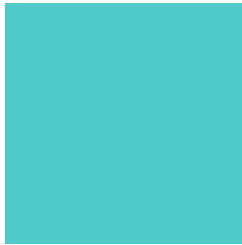
8.0829, 0.6391, 0.3294



0.4175, 0.6358, 0.3276

Previews

White Background



This preview shows how the Yxy color 48.1636, 0.2398, 0.3302 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 48.1636, 0.2398, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

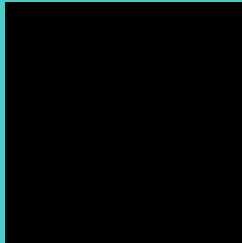
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

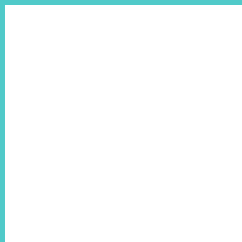
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1636, 0.2398, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 48.1636, 0.2398, 0.3302.

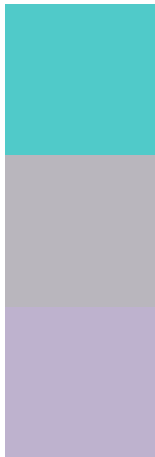


This preview shows how white text looks on a background with the Yxy color 48.1636, 0.2398, 0.3302.

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

48.1636, 0.2398, 0.3302

Protanopia

47.4443, 0.3098, 0.3200

Deuteranopia

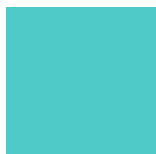
47.2442, 0.3009, 0.2943



Tritanopia

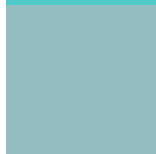
48.2927, 0.2346, 0.3064

Trichromacy



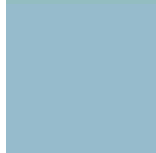
Original Color

48.1636, 0.2398, 0.3302



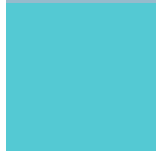
Protanomaly

46.4485, 0.2775, 0.3234



Deuteranomaly

46.3843, 0.2722, 0.3061



Tritanomaly

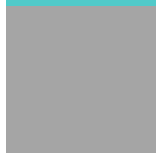
48.3613, 0.2362, 0.3146

Monochromacy



Original Color

48.1636, 0.2398, 0.3302



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.1235, 0.2770, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1636, 0.2398, 0.3302 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(80, 202, 201)` looks like.

```
.text, #text, p{  
    color:rgb(80, 202, 201)  
}
```

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(80, 202, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 202, 201) }
```

Border

The CSS property to change the border of an element to Yxy 48.1636, 0.2398, 0.3302 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(80, 202, 201) }
```

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

```
.border{ border-color:rgb(80, 202, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 202, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 202, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 202, 201);  
box-shadow:4px 4px 4px 4px rgb(80, 202,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1636, 0.2398, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 202, 201) }
```

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

```
.background{ background-color: rgb(80, 202,  
201) }
```

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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