

Converting Colors

$Y_{xy}(48.7723, 0.2445, 0.3287)$

Have a look what the booklet for
Yxy(48.7723, 0.2445, 0.3287)
contains.

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Color

Yxy(48.8325, 0.2444, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	5DCACA
RGB	93, 202, 202
RGB Percent	36%, 79%, 79%
CMY	0.6351, 0.2078, 0.2079
CMYK	0.54, 0.00, 0.00, 0.21
HSL	180°, 51%, 58%
HSV	180°, 54%, 79%
XYZ	36.2976, 48.8325, 63.3872
YIQ	169.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

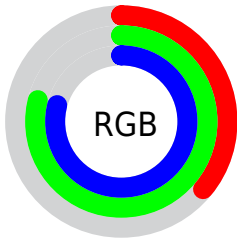
Format	Color
R_{YB}	93, 148, 202
Decimal	6146762
CIE _{Lab}	75.35, -30.98, -9.50
CIE _{LCh}	75, 32.404, 197.053
Yxy	48.8325, 0.2444, 0.3288
Android (android.graphics.Color)	4284336842 (0xFF5DCACA)
YUV	169.4090, 16.0674, -67.0107
Hunter-Lab	69.8803, -29.5729, -4.8648

Details

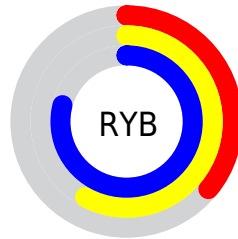
The Yxy color **48.8325, 0.2444, 0.3288** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.1833, 0.4705, 0.3295**, and the grayscale version is **39.8378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **23.1247, 0.2262, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **47.9153, 0.2368, 0.3288**, and if you desaturate by 10%, it is **50.0318, 0.2538, 0.3288**.

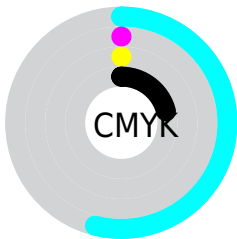
Distribution



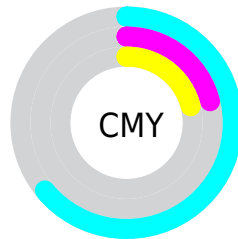
- Red (36%)
- Green (79%)
- Blue (79%)



- Red (36%)
- Yellow (58%)
- Blue (79%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (64%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8325, 0.2444, 0.3288 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 48.8325, 0.2444, 0.3288 by changing the saturation by 10% instead.

 48.8325, 0.2444,
0.3288

 48.8325, 0.2444,
0.3288


382.0825, 0.2776,
0.3297

 34.4866, 0.2365,
0.3283


 88.4426, 0.2562,
0.3293


 23.2677, 0.2264,
0.3276


 114.4757, 0.2607,
0.3294

 14.7913, 0.2135,
0.3264


 145.1732, 0.2646,
0.3295

 8.6730, 0.1961,
0.3244

 180.9197, 0.2679,
0.3296

 4.5285, 0.1717,
0.3204

222.0995, 0.2708,
0.3296

 1.9734, 0.1358,
0.3120

269.0969, 0.2733,

 0.5919, 0.0000,

0.3297

0.3046

322.2965, 0.2756,
0.3297

0.0000, 0.0000,
0.0000

48.8325, 0.2444,
0.3288

48.8325, 0.2444,
0.3288

47.9153, 0.2368,
0.3288

50.0318, 0.2538,
0.3288

47.2523, 0.2312,
0.3288

51.5276, 0.2650,
0.3289

46.8192, 0.2274,
0.3288

53.3399, 0.2777,
0.3289

46.5850, 0.2254,
0.3287

55.4855, 0.2917,
0.3289

46.5050, 0.2247,
0.3287

57.9798, 0.3066,
0.3290

■ 60.8375, 0.3222,
0.3290

■ 64.0722, 0.3382,
0.3291

■ 67.6970, 0.3544,
0.3291

■ 67.7653, 0.3547,
0.3291

Harmonies

Analogous

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



48.8325, 0.2755, 0.3725



48.8325, 0.2444, 0.3288



48.8325, 0.2312, 0.2892

Triad

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



48.8325, 0.2444, 0.3288



48.8325, 0.3023, 0.2669



48.8325, 0.3921, 0.3906

Complementary

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



48.8325, 0.2444, 0.3288



21.1833, 0.4705, 0.3295

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.



48.8325, 0.4017, 0.3588



48.8325, 0.2444, 0.3288



48.8325, 0.3478, 0.2903

Square

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



48.8325, 0.2444, 0.3288



48.8325, 0.2627, 0.2573



48.8325, 0.3853, 0.3230



48.8325, 0.3609, 0.4085

Rectangle

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



48.8325, 0.2444, 0.3288



48.8325, 0.2333, 0.2707



48.8325, 0.3853, 0.3230



48.8325, 0.3981, 0.3810

Sweetspot

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



48.8344, 0.2444, 0.3288



93.0662, 0.2884, 0.3289



45.4572, 0.3057, 0.4999



19.7534, 0.2854, 0.3289



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.



48.8344, 0.2444, 0.3288



80.8760, 0.2356, 0.3288



28.1948, 0.2276, 0.2471



12.7271, 0.2984, 0.3290



29.9255, 0.2247, 0.3287



1.5438, 0.2247, 0.3287

Inverse Universe

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



21.1833, 0.4705, 0.3295



29.1720, 0.5271, 0.3296



33.8141, 0.4285, 0.3962



11.2137, 0.3290, 0.3290



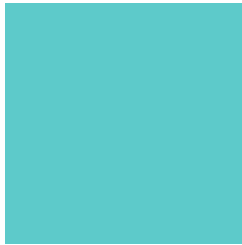
8.0800, 0.6401, 0.3300



0.4168, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 48.8325, 0.2444, 0.3288 looks on a white background.

Color Contrast Check

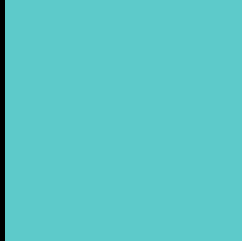
Large Text (above 18pt) WCAG AA × Fail

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 48.8325, 0.2444, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

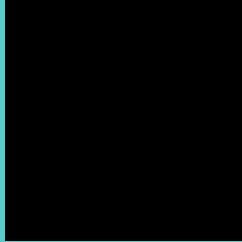
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

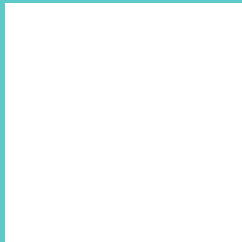
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8325, 0.2444, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 48.8325, 0.2444, 0.3288.



This preview shows how white text looks on a background with the Yxy color 48.8325, 0.2444, 0.3288.

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

48.8325, 0.2444, 0.3288

Protanopia

48.0677, 0.3090, 0.3188

Deuteranopia

48.3540, 0.3018, 0.2958



Tritanopia

48.8631, 0.2390, 0.3067

Trichromacy



Original Color

48.8325, 0.2444, 0.3288



Protanomaly

47.4424, 0.2798, 0.3221



Deuteranomaly

47.4421, 0.2759, 0.3064



Tritanomaly

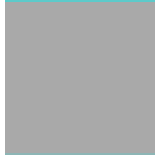
48.9632, 0.2409, 0.3148

Monochromacy



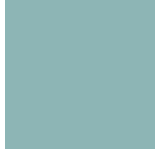
Original Color

48.8325, 0.2444, 0.3288



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.0467, 0.2804, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8325, 0.2444, 0.3288 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(93, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(93, 202, 202)  
}
```

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(93, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 202, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.8325, 0.2444, 0.3288 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(93, 202, 202) }
```

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

```
.border{ border-color:rgb(93, 202, 202) }
```

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

Here you see how a box with a 4 pixel rgb(93, 202, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(93, 202,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8325, 0.2444, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 202, 202) }
```

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

```
.background{ background-color: rgb(93, 202,  
202) }
```

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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