

Converting Colors

$Yxy(48.6063, 0.2634, 0.3592)$

Have a look what the booklet for
Yxy(48.6063, 0.2634, 0.3592)
contains.

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Color

Yxy(48.8285, 0.2633, 0.3594)

Conversions

Conversions Part 1

Format	Color
Hex	6DCAB5
RGB	109, 202, 181
RGB Percent	43%, 79%, 71%
CMY	0.5724, 0.2079, 0.2902
CMYK	0.46, 0.00, 0.10, 0.21
HSL	166°, 47%, 61%
HSV	166°, 46%, 79%
XYZ	35.7722, 48.8285, 51.2604
YIQ	171.7990, -48.6870, -26.2470

Conversions

Conversions Part 2

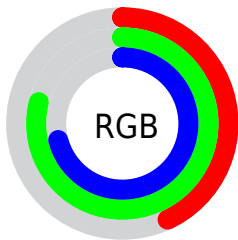
Format	Color
RYB	109, 161, 202
Decimal	7195317
CIELab	75.34, -32.73, 1.90
CIElCh	75, 32.783, 176.670
Yxy	48.8285, 0.2633, 0.3594
Android (android.graphics.Color)	4285385397 (0xFF6DCAB5)
YUV	171.7990, 4.5361, -55.0747
Hunter-Lab	69.8774, -30.9062, 5.4204

Details

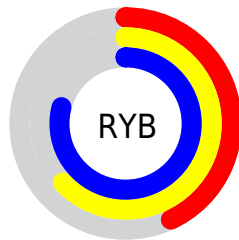
The Yxy color **48.8285, 0.2633, 0.3594** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1155, 0.4071, 0.3020**, and the grayscale version is **41.1494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6338, 0.2713, 0.3490**, and **23.1298, 0.2496, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **47.5084, 0.2559, 0.3673**, and if you desaturate by 10%, it is **50.4530, 0.2722, 0.3519**.

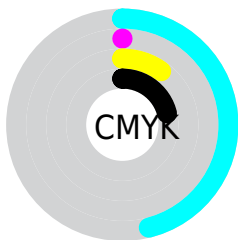
Distribution



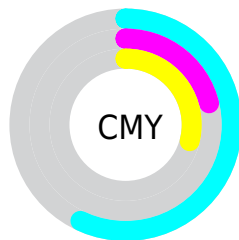
- Red (43%)
- Green (79%)
- Blue (71%)



- Red (43%)
- Yellow (63%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)




- Cyan (57%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8285, 0.2633, 0.3594 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 48.8285, 0.2633, 0.3594 by changing the saturation by 10% instead.


 48.8285, 0.2633,
0.3594


 48.8285, 0.2633,
0.3594


382.0668, 0.2878,
0.3442


 34.4835, 0.2573,
0.3632


 88.4367, 0.2721,
0.3539

 23.2652, 0.2496,
0.3680


 114.4686, 0.2755,
0.3518

 14.7895, 0.2394,
0.3745


 145.1650, 0.2783,
0.3501

 8.6718, 0.2255,
0.3834

180.9101, 0.2807,
0.3486

 4.5277, 0.2051,
0.3967

222.0885, 0.2828,
0.3473

 1.9729, 0.1729,
0.4182

269.0845, 0.2847,

 0.5917, 0.0000,

0.3461

0.5365

322.2824, 0.2863,
0.3451

0.0000, 0.0000,
0.0000

48.8285, 0.2633,
0.3594

48.8285, 0.2633,
0.3594

47.5084, 0.2559,
0.3673

50.4530, 0.2722,
0.3519

46.4663, 0.2504,
0.3755

52.3947, 0.2824,
0.3448

45.6812, 0.2467,
0.3838


54.6724, 0.2935,
0.3383


45.1262, 0.2450,
0.3921

57.3021, 0.3054,
0.3323

44.7675, 0.2451,
0.4004

60.2985, 0.3176,
0.3269

 44.6533, 0.2455,
0.4037

 63.6755, 0.3301,
0.3221

 67.4464, 0.3426,
0.3178

 68.5354, 0.3426,
0.3133

 68.7767, 0.3392,
0.3087

Harmonies

Analogous

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



48.8285, 0.3036, 0.3965



48.8285, 0.2633, 0.3594



48.8285, 0.2372, 0.3147

Triad

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



48.8285, 0.2633, 0.3594



48.8285, 0.2736, 0.2579



48.8285, 0.4025, 0.3703

Complementary

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



48.8285, 0.2633, 0.3594



25.1155, 0.4071, 0.3020

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.



48.8285, 0.3942, 0.3344



48.8285, 0.2633, 0.3594



48.8285, 0.3169, 0.2725

Square

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



48.8285, 0.2633, 0.3594



48.8285, 0.2430, 0.2594



48.8285, 0.3620, 0.2997



48.8285, 0.3849, 0.3991

Rectangle

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



48.8285, 0.2633, 0.3594



48.8285, 0.2303, 0.2891



48.8285, 0.3620, 0.2997



48.8285, 0.4027, 0.3587

Sweetspot

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



48.8304, 0.2633, 0.3594



93.3383, 0.2956, 0.3372



48.1489, 0.3212, 0.4658



19.7819, 0.2931, 0.3385



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.



48.8304, 0.2633, 0.3594



80.4937, 0.2561, 0.3671



39.0454, 0.2453, 0.2925



12.6820, 0.3013, 0.3343



28.7488, 0.2452, 0.4025



1.4940, 0.2407, 0.3864

Inverse Universe

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



25.1155, 0.4071, 0.3020



35.5528, 0.4396, 0.2973



30.6650, 0.4200, 0.3616



11.2545, 0.3255, 0.3238



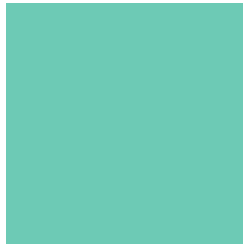
8.2162, 0.5985, 0.3071



0.4358, 0.5422, 0.2760

Previews

White Background



This preview shows how the Yxy color 48.8285, 0.2633, 0.3594 looks on a white background.

Color Contrast Check

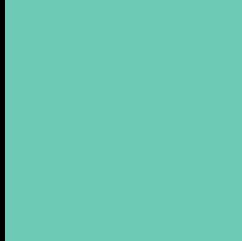
Large Text (above 18pt) WCAG AA × Fail

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 48.8285, 0.2633, 0.3594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

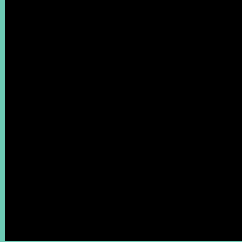
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

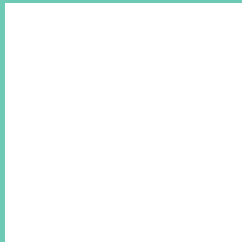
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8285, 0.2633, 0.3594

Background



This preview shows how black text looks on a background with the Yxy color 48.8285, 0.2633, 0.3594.



This preview shows how white text looks on a background with the Yxy color 48.8285, 0.2633, 0.3594.

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

48.8285, 0.2633, 0.3594

Protanopia

48.2976, 0.3291, 0.3457

Deuteranopia

48.3419, 0.3270, 0.3204



Tritanopia

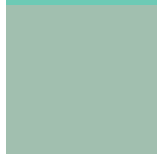
48.5882, 0.2492, 0.3070

Trichromacy



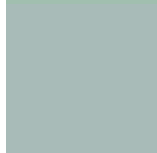
Original Color

48.8285, 0.2633, 0.3594



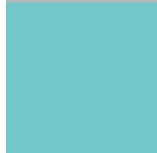
Protanomaly

47.9338, 0.3005, 0.3508



Deuteranomaly

47.3262, 0.2995, 0.3330



Tritanomaly

48.7087, 0.2546, 0.3260

Monochromacy



Original Color

48.8285, 0.2633, 0.3594



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.3517, 0.2910, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8285, 0.2633, 0.3594 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(109, 202, 181)` looks like.

```
.text, #text, p{  
    color:rgb(109, 202, 181)  
}
```

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(109, 202, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 202, 181) }
```

Border

The CSS property to change the border of an element to Yxy 48.8285, 0.2633, 0.3594 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(109, 202, 181) }
```

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

```
.border{ border-color:rgb(109, 202, 181) }
```

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

Here you see how a box with a 4 pixel rgb(109, 202, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 202, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 202, 181);  
box-shadow:4px 4px 4px 4px rgb(109, 202,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8285, 0.2633, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 202, 181) }
```

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

```
.background{ background-color: rgb(109,  
202, 181) }
```

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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