

Converting Colors

$Yxy(50.7871, 0.2455, 0.3262)$

Have a look what the booklet for
Yxy(50.7871, 0.2455, 0.3262)
contains.

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Color

Yxy(50.8203, 0.2453, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	63CDCF
RGB	99, 205, 207
RGB Percent	39%, 80%, 81%
CMY	0.6118, 0.1961, 0.1882
CMYK	0.52, 0.01, 0.00, 0.19
HSL	181°, 53%, 60%
HSV	181°, 52%, 81%
XYZ	38.2399, 50.8203, 66.8303
YIQ	173.5340, -63.8180, -21.8500

Conversions

Conversions Part 2

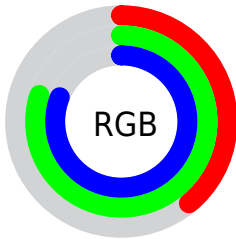
Format	Color
RYB	99, 152, 207
Decimal	6540751
CIELab	76.57, -29.89, -10.36
CIELCh	77, 31.639, 199.123
Yxy	50.8203, 0.2453, 0.3260
Android (android.graphics.Color)	4284730831 (0xFF63CDCF)
YUV	173.5340, 16.4987, -65.3663
Hunter-Lab	71.2884, -29.0051, -5.6804

Details

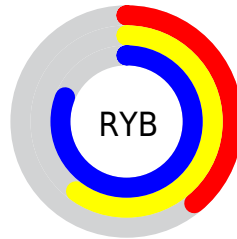
The Yxy color **50.8203, 0.2453, 0.3260** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4766, 0.4615, 0.3319**, and the grayscale version is **42.0159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **24.3886, 0.2276, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **49.6182, 0.2372, 0.3254**, and if you desaturate by 10%, it is **52.3256, 0.2553, 0.3266**.

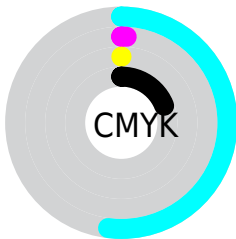
Distribution



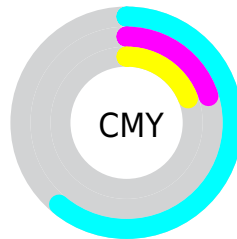
- Red (39%)
- Green (80%)
- Blue (81%)



- Red (39%)
- Yellow (60%)
- Blue (81%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)




- Cyan (61%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8203, 0.2453, 0.3260 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 50.8203, 0.2453, 0.3260 by changing the saturation by 10% instead.


 50.8203, 0.2453,
0.3260


 50.8203, 0.2453,
0.3260


389.8652, 0.2778,
0.3283


 36.0656, 0.2376,
0.3252


 91.3891, 0.2568,
0.3270

 24.4849, 0.2279,
0.3241


 117.9720, 0.2612,
0.3273

 15.6937, 0.2154,
0.3224


 149.2664, 0.2650,
0.3276

 9.3077, 0.1987,
0.3196

 185.6567, 0.2683,
0.3278

 4.9424, 0.1755,
0.3149

227.5274, 0.2711,
0.3279

 2.2135, 0.1416,
0.3055

275.2628, 0.2736,

 0.7273, 0.0000,

0.3281

0.3087

329.2472, 0.2758,
0.3282

0.0000, 0.0000,
0.0000

50.8203, 0.2453,
0.3260

50.8203, 0.2453,
0.3260

49.6182, 0.2372,
0.3254

52.3256, 0.2553,
0.3266

48.6900, 0.2310,
0.3247

54.1489, 0.2669,
0.3272

48.0111, 0.2267,
0.3241

56.3114, 0.2800,
0.3278

47.5491, 0.2242,
0.3235

58.8305, 0.2942,
0.3284

47.2948, 0.2231,
0.3231

61.7224, 0.3093,
0.3289

■ 65.0025, 0.3250,
0.3294

■ 68.6851, 0.3410,
0.3298

■ 70.9157, 0.3496,
0.3302

■ 71.1036, 0.3495,
0.3306

Harmonies

Analogous

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



50.8203, 0.2744, 0.3681



50.8203, 0.2453, 0.3260



50.8203, 0.2337, 0.2886

Triad

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



50.8203, 0.2453, 0.3260



50.8203, 0.3058, 0.2701



50.8203, 0.3878, 0.3902

Complementary

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



50.8203, 0.2453, 0.3260



23.4766, 0.4615, 0.3319

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.



50.8203, 0.3986, 0.3603



50.8203, 0.2453, 0.3260



50.8203, 0.3495, 0.2936

Square

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



50.8203, 0.2453, 0.3260



50.8203, 0.2667, 0.2598



50.8203, 0.3844, 0.3257



50.8203, 0.3566, 0.4060

Rectangle

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



50.8203, 0.2453, 0.3260



50.8203, 0.2367, 0.2714



50.8203, 0.3844, 0.3257



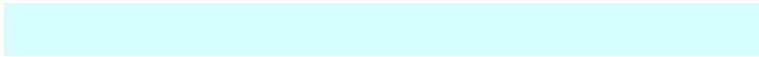
50.8203, 0.3941, 0.3813

Sweetspot

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



50.8223, 0.2453, 0.3260



92.5837, 0.2884, 0.3282



48.2186, 0.3040, 0.4919



19.6369, 0.2854, 0.3280



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.



50.8223, 0.2453, 0.3260



79.2491, 0.2361, 0.3253



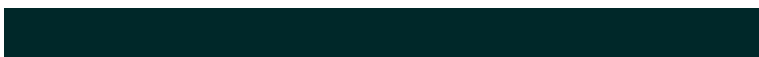
29.3577, 0.2290, 0.2444



13.3678, 0.2983, 0.3285



29.8114, 0.2231, 0.3231



1.6791, 0.2234, 0.3242

Inverse Universe

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



26.5988, 0.3207, 0.2069



36.3571, 0.3223, 0.1864



37.5457, 0.4213, 0.3986



12.0051, 0.3141, 0.3065



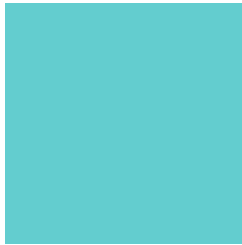
11.0807, 0.3256, 0.1567



0.6208, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 50.8203, 0.2453, 0.3260 looks on a white background.

Color Contrast Check

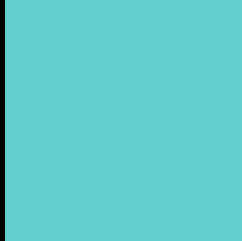
Large Text (above 18pt) WCAG AA × Fail

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 50.8203, 0.2453, 0.3260 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

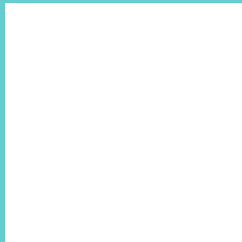
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8203, 0.2453, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 50.8203, 0.2453, 0.3260.

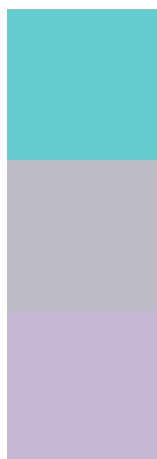


This preview shows how white text looks on a background with the Yxy color 50.8203, 0.2453, 0.3260.

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

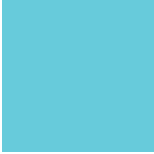
50.8203, 0.2453, 0.3260

Protanopia

50.3450, 0.3075, 0.3178

Deuteranopia

50.2225, 0.3004, 0.2940



Tritanopia

50.7099, 0.2406, 0.3070

Trichromacy



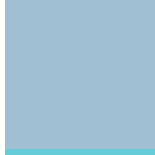
Original Color

50.8203, 0.2453, 0.3260



Protanomaly

49.8216, 0.2798, 0.3210



Deuteranomaly

49.3883, 0.2758, 0.3043



Tritanomaly

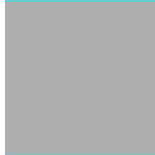
50.9168, 0.2424, 0.3137

Monochromacy



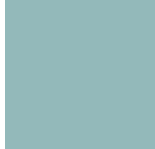
Original Color

50.8203, 0.2453, 0.3260



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.4461, 0.2818, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8203, 0.2453, 0.3260 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(99, 205, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 207)  
}
```

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(99, 205, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 207) }
```

Border

The CSS property to change the border of an element to Yxy 50.8203, 0.2453, 0.3260 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(99, 205, 207) }
```

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

```
.border{ border-color:rgb(99, 205, 207) }
```

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

Here you see how a box with a 4 pixel rgb(99, 205, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8203, 0.2453, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 205, 207) }
```

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

```
.background{ background-color: rgb(99, 205,  
207) }
```

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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