

Converting Colors

$Yxy(50.2671, 0.2383, 0.3246)$

Have a look what the booklet for
Yxy(50.2671, 0.2383, 0.3246)
contains.

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Color

$\text{Yxy}(50.0557, 0.2385, 0.3245)$

Conversions

Conversions Part 1

Format	Color
Hex	53CDD0
RGB	83, 205, 208
RGB Percent	33%, 80%, 82%
CMY	0.6742, 0.1961, 0.1842
CMYK	0.60, 0.01, 0.00, 0.18
HSL	181°, 57%, 57%
HSV	181°, 60%, 82%
XYZ	36.7898, 50.0557, 67.4094
YIQ	168.8640, -73.6750, -24.9310

Conversions

Conversions Part 2

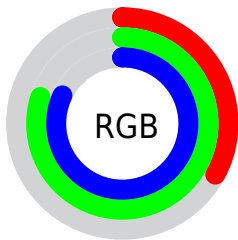
Format	Color
RYB	83, 145, 208
Decimal	5492176
CIELab	76.10, -32.61, -11.66
CIELCh	76, 34.629, 199.674
Yxy	50.0557, 0.2385, 0.3245
Android (android.graphics.Color)	4283682256 (0xFF53CDD0)
YUV	168.8640, 19.2940, -75.3027
Hunter-Lab	70.7501, -30.9932, -6.9654

Details

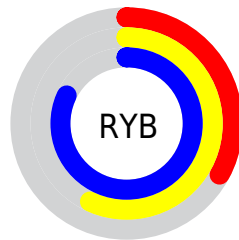
The Yxy color **50.0557, 0.2385, 0.3245** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.7092, 0.4971, 0.3330**, and the grayscale version is **39.5458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.1458, 0.2225, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **49.0077, 0.2318, 0.3237**, and if you desaturate by 10%, it is **51.3922, 0.2471, 0.3253**.

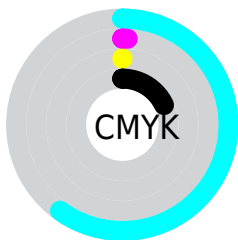
Distribution



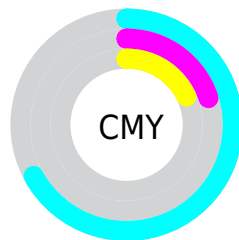
- Red (33%)
- Green (80%)
- Blue (82%)



- Red (33%)
- Yellow (57%)
- Blue (82%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)





- Cyan (67%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0557, 0.2385, 0.3245 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 50.0557, 0.2385, 0.3245 by changing the saturation by 10% instead.


 50.0557, 0.2385,
0.3245

 50.0557, 0.2385,
0.3245


386.8837, 0.2742,
0.3277


 35.4577, 0.2300,
0.3234


 90.2574, 0.2512,
0.3259


 24.0156, 0.2194,
0.3219


 116.6298, 0.2560,
0.3263

 15.3452, 0.2058,
0.3197


 147.6959, 0.2602,
0.3267

 9.0620, 0.1876,
0.3161

 183.8399, 0.2637,
0.3270

 4.7817, 0.1626,
0.3099

225.4463, 0.2669,
0.3272

 2.1197, 0.1265,
0.2979

272.8995, 0.2696,

 0.6757, 0.0000,

0.3274

0.2871

326.5838, 0.2721,
0.3276

■ 0.0000, 0.0000,
0.0000

■ 50.0557, 0.2385,
0.3245

■ 50.0557, 0.2385,
0.3245

■ 49.0077, 0.2318,
0.3237

■ 51.3922, 0.2471,
0.3253

■ 48.2161, 0.2271,
0.3229

■ 53.0343, 0.2575,
0.3261

■ 47.6519, 0.2241,
0.3221

■ 55.0048, 0.2695,
0.3269

■ 47.2594, 0.2226,
0.3213

■ 57.3225, 0.2829,
0.3276

■ 60.0048, 0.2973,
0.3283

■ 63.0679, 0.3126,
0.3290

■ 66.5272, 0.3284,
0.3296

■ 70.3971, 0.3444,
0.3301

■ 71.6754, 0.3486,
0.3306

Harmonies

Analogous

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



50.0557, 0.2697, 0.3714



50.0557, 0.2385, 0.3245



50.0557, 0.2265, 0.2836

Triad

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



50.0557, 0.2385, 0.3245



50.0557, 0.3058, 0.2652



50.0557, 0.3946, 0.3963

Complementary

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



50.0557, 0.2385, 0.3245



20.7092, 0.4971, 0.3330

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.



50.0557, 0.4073, 0.3634



50.0557, 0.2385, 0.3245



50.0557, 0.3539, 0.2908

Square

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



50.0557, 0.2385, 0.3245



50.0557, 0.2629, 0.2536



50.0557, 0.3922, 0.3257



50.0557, 0.3598, 0.4140

Rectangle

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



50.0557, 0.2385, 0.3245



50.0557, 0.2299, 0.2653



50.0557, 0.3922, 0.3257



50.0557, 0.4017, 0.3865

Sweetspot

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



50.0576, 0.2385, 0.3245



91.6029, 0.2855, 0.3278



47.6221, 0.3028, 0.5190



19.3560, 0.2813, 0.3276



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.



50.0576, 0.2385, 0.3245



77.2914, 0.2303, 0.3235



26.1814, 0.2171, 0.2287



13.3559, 0.2983, 0.3284



29.4700, 0.2226, 0.3214



1.6637, 0.2230, 0.3229

Inverse Universe

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



24.0176, 0.3226, 0.1930



32.7545, 0.3244, 0.1746



35.1016, 0.4423, 0.4073



12.0039, 0.3142, 0.3066



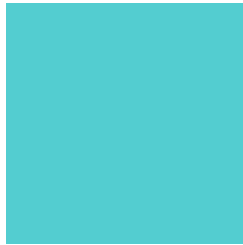
11.0463, 0.3270, 0.1575



0.6192, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 50.0557, 0.2385, 0.3245 looks on a white background.

Color Contrast Check

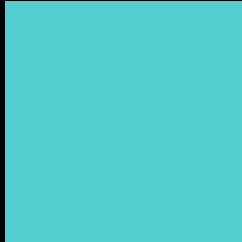
Large Text (above 18pt) WCAG AA × Fail

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 50.0557, 0.2385, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

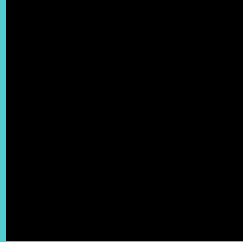
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0557, 0.2385, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 50.0557, 0.2385, 0.3245.

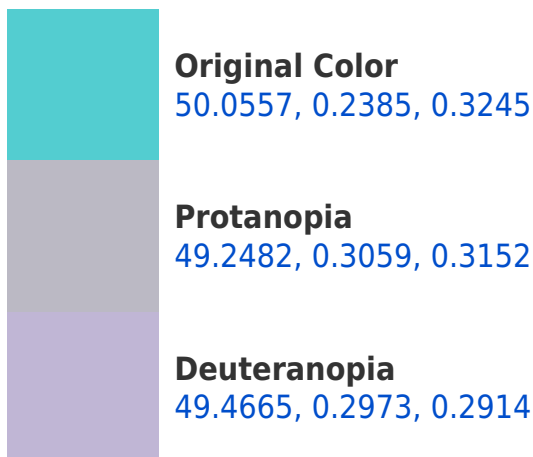


This preview shows how white text looks on a background with the Yxy color 50.0557, 0.2385, 0.3245.

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





Tritanopia

49.9539, 0.2341, 0.3054

Trichromacy



Original Color

50.0557, 0.2385, 0.3245



Protanomaly

48.2590, 0.2747, 0.3181



Deuteranomaly

48.2055, 0.2695, 0.3013



Tritanomaly

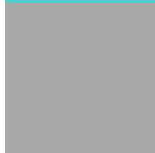
50.1220, 0.2355, 0.3121

Monochromacy



Original Color

50.0557, 0.2385, 0.3245



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.2781, 0.2769, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0557, 0.2385, 0.3245 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(83, 205, 208)` looks like.

```
.text, #text, p{  
    color:rgb(83, 205, 208)  
}
```

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(83, 205, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 205, 208) }
```

Border

The CSS property to change the border of an element to Yxy 50.0557, 0.2385, 0.3245 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(83, 205, 208) }
```

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

```
.border{ border-color:rgb(83, 205, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 205, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 205, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 205, 208);  
box-shadow:4px 4px 4px 4px rgb(83, 205,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0557, 0.2385, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 205, 208) }
```

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

```
.background{ background-color: rgb(83, 205,  
208) }
```

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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