

Converting Colors

$Yxy(51.6352, 0.2400, 0.3209)$

Have a look what the booklet for
Yxy(51.6352, 0.2400, 0.3209)
contains.

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Color

Yxy(51.6539, 0.2397, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	5BCFD5
RGB	91, 207, 213
RGB Percent	36%, 81%, 84%
CMY	0.6434, 0.1882, 0.1647
CMYK	0.57, 0.03, 0.00, 0.16
HSL	183°, 59%, 60%
HSV	183°, 57%, 84%
XYZ	38.6316, 51.6539, 70.8811
YIQ	173.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

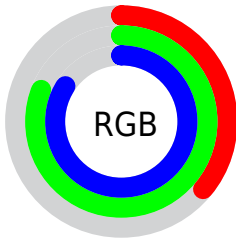
Format	Color
RYB	91, 150, 213
Decimal	6016981
CIELab	77.07, -30.81, -12.86
CIELCh	77, 33.384, 202.664
Yxy	51.6539, 0.2397, 0.3205
Android (android.graphics.Color)	4284207061 (0xFF5BCFD5)
YUV	173.0000, 19.7200, -71.9140
Hunter-Lab	71.8706, -29.8270, -8.1642

Details

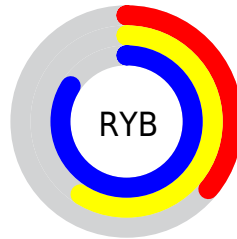
The Yxy color **51.6539, 0.2397, 0.3205** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4341, 0.4822, 0.3364**, and the grayscale version is **41.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **24.9251, 0.2215, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **50.2192, 0.2322, 0.3188**, and if you desaturate by 10%, it is **53.4029, 0.2491, 0.3221**.

Distribution



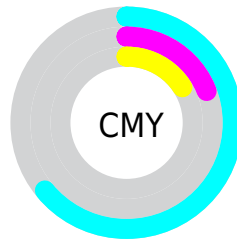
- Red (36%)
- Green (81%)
- Blue (84%)



- Red (36%)
- Yellow (59%)
- Blue (84%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6539, 0.2397, 0.3205 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 51.6539, 0.2397, 0.3205 by changing the saturation by 10% instead.


 51.6539, 0.2397,
0.3205


 51.6539, 0.2397,
0.3205


393.0990, 0.2747,
0.3256

 36.7293, 0.2315,
0.3190


 92.6206, 0.2520,
0.3226

 24.9980, 0.2212,
0.3169


 119.4315, 0.2568,
0.3233

 16.0755, 0.2080,
0.3139


 150.9733, 0.2608,
0.3239

 9.5776, 0.1906,
0.3095

 187.6303, 0.2643,
0.3243

 5.1198, 0.1666,
0.3021

229.7870, 0.2674,
0.3247

 2.3177, 0.1322,
0.2888

277.8277, 0.2701,

 0.7831, 0.0000,

0.3251

0.2828

332.1370, 0.2725,
0.3254

■ 0.0000, 0.0000,
0.0000

■ 51.6539, 0.2397,
0.3205

■ 51.6539, 0.2397,
0.3205

■ 50.2192, 0.2322,
0.3188

■ 53.4029, 0.2491,
0.3221

■ 49.0662, 0.2266,
0.3172

■ 55.4839, 0.2602,
0.3237

■ 48.1654, 0.2229,
0.3155

■ 57.9203, 0.2728,
0.3253

■ 47.4746, 0.2209,
0.3139

■ 60.7317, 0.2867,
0.3267

■ 47.3050, 0.2204,
0.3135

■ 63.9360, 0.3015,
0.3281

■ 67.5503, 0.3169,
0.3293

■ 71.5905, 0.3327,
0.3305

■ 74.8511, 0.3439,
0.3315

■ 75.3858, 0.3437,
0.3326

Harmonies

Analogous

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



51.6539, 0.2681, 0.3652



51.6539, 0.2397, 0.3205



51.6539, 0.2300, 0.2827

Triad

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



51.6539, 0.2397, 0.3205



51.6539, 0.3107, 0.2698



51.6539, 0.3885, 0.3960

Complementary

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



51.6539, 0.2397, 0.3205



23.4341, 0.4822, 0.3364

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.



51.6539, 0.4029, 0.3657



51.6539, 0.2397, 0.3205



51.6539, 0.3563, 0.2955

Square

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



51.6539, 0.2397, 0.3205



51.6539, 0.2687, 0.2571



51.6539, 0.3911, 0.3296



51.6539, 0.3538, 0.4104

Rectangle

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



51.6539, 0.2397, 0.3205



51.6539, 0.2347, 0.2662



51.6539, 0.3911, 0.3296



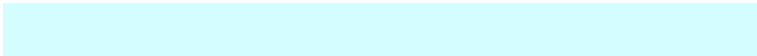
51.6539, 0.3960, 0.3871

Sweetspot

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



51.6559, 0.2397, 0.3205



91.3365, 0.2869, 0.3267



50.6334, 0.3022, 0.5073



19.3558, 0.2840, 0.3265



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.



51.6559, 0.2397, 0.3205



75.0235, 0.2307, 0.3184



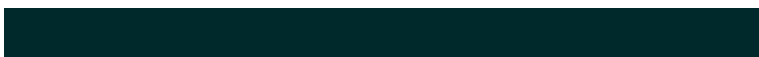
28.1720, 0.2204, 0.2309



13.9986, 0.2983, 0.3278



28.9424, 0.2205, 0.3137



1.7785, 0.2213, 0.3165

Inverse Universe

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



26.1220, 0.3254, 0.2003



33.5360, 0.3282, 0.1812



38.6880, 0.4335, 0.4069



12.6217, 0.3145, 0.3071



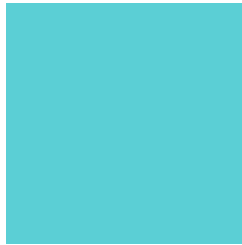
11.2666, 0.3335, 0.1611



0.6829, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 51.6539, 0.2397, 0.3205 looks on a white background.

Color Contrast Check

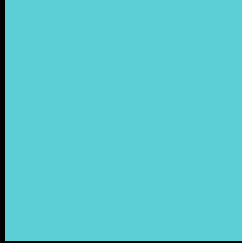
Large Text (above 18pt) WCAG AA × Fail

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 51.6539, 0.2397, 0.3205 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 51.6539, 0.2397, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 51.6539, 0.2397, 0.3205.

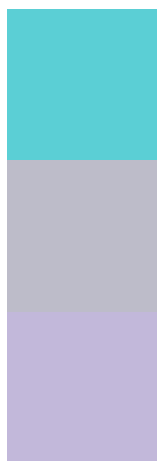


This preview shows how white text looks on a background with the Yxy color 51.6539, 0.2397, 0.3205.

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

51.6539, 0.2397, 0.3205

Protanopia

51.0023, 0.3037, 0.3129

Deuteranopia

50.8123, 0.2953, 0.2883



Tritanopia

51.8494, 0.2368, 0.3071

Trichromacy



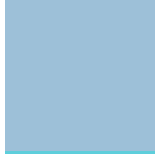
Original Color

51.6539, 0.2397, 0.3205



Protanomaly

50.2103, 0.2746, 0.3157



Deuteranomaly

49.8252, 0.2701, 0.2980



Tritanomaly

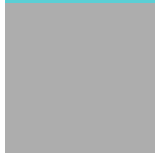
51.6368, 0.2378, 0.3110

Monochromacy



Original Color

51.6539, 0.2397, 0.3205



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.1684, 0.2775, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6539, 0.2397, 0.3205 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(91, 207, 213)` looks like.

```
.text, #text, p{  
    color:rgb(91, 207, 213)  
}
```

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(91, 207, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 207, 213) }
```

Border

The CSS property to change the border of an element to Yxy 51.6539, 0.2397, 0.3205 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(91, 207, 213) }
```

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

```
.border{ border-color:rgb(91, 207, 213) }
```

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

Here you see how a box with a 4 pixel rgb(91, 207, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 207, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 207, 213);  
box-shadow:4px 4px 4px 4px rgb(91, 207,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6539, 0.2397, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 207, 213) }
```

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

```
.background{ background-color: rgb(91, 207,  
213) }
```

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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