

Converting Colors

$Y_{xy}(50.6903, 0.2196, 0.2882)$

Have a look what the booklet for
Yxy(50.6903, 0.2196, 0.2882)
contains.

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Color

Yxy(50.5307, 0.2196, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	39CDEB
RGB	57, 205, 235
RGB Percent	22%, 80%, 92%
CMY	0.7766, 0.1961, 0.0783
CMYK	0.76, 0.13, 0.00, 0.08
HSL	190°, 82%, 57%
HSV	190°, 76%, 92%
XYZ	38.5163, 50.5307, 86.3459
YIQ	164.1680, -97.8380, -22.0460

Conversions

Conversions Part 2

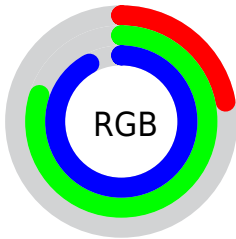
Format	Color
<code>RYB</code>	<code>57, 138, 235</code>
Decimal	<code>3788267</code>
CIELab	<code>76.39, -28.25, -25.82</code>
CIELCh	<code>76, 38.270, 222.433</code>
Yxy	<code>50.5307, 0.2196, 0.2881</code>
Android (<code>android.graphics.Color</code>)	<code>4281978347 (0xFF39CDEB)</code>
YUV	<code>164.1680, 34.9202, -93.9863</code>
Hunter-Lab	<code>71.0849, -27.6812, -22.2593</code>

Details

The Yxy color **50.5307, 0.2196, 0.2881** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.7809, 0.5502, 0.3549**, and the grayscale version is **37.0722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **25.0674, 0.2102, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **48.1218, 0.2141, 0.2820**, and if you desaturate by 10%, it is **53.3106, 0.2271, 0.2942**.

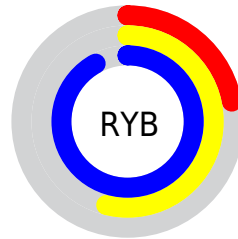
Distribution



Red (22%)

Green (80%)

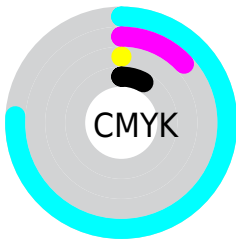
Blue (92%)



Red (22%)

Yellow (54%)

Blue (92%)

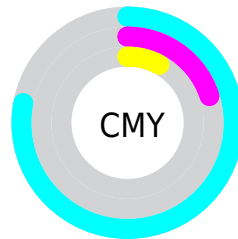


Cyan (76%)

Magenta (13%)

Yellow (0%)

Black (8%)



Cyan (78%)


Magenta (20%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5307, 0.2196, 0.2881 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 50.5307, 0.2196, 0.2881 by changing the saturation by 10% instead.


 50.5307, 0.2196,
0.2881

 50.5307, 0.2196,
0.2881


388.7377, 0.2636,
0.3095

 35.8353, 0.2095,
0.2826


 90.9607, 0.2349,
0.2960


 24.3070, 0.1970,
0.2756


 117.4640, 0.2409,
0.2989

 15.5615, 0.1813,
0.2661


 148.6721, 0.2460,
0.3014

 9.2144, 0.1611,
0.2531

 184.9694, 0.2504,
0.3035

 4.8813, 0.1344,
0.2340

226.7401, 0.2543,
0.3053

 2.1778, 0.0987,
0.2046

274.3689, 0.2578,

 0.7078, 0.0000,

0.3069

0.1628

328.2399, 0.2608,
0.3082

0.0000, 0.0000,
0.0000

50.5307, 0.2196,
0.2881

50.5307, 0.2196,
0.2881

48.1218, 0.2141,
0.2820

53.3106, 0.2271,
0.2942

46.0300, 0.2105,
0.2760

56.4954, 0.2364,
0.3002

45.2060, 0.2093,
0.2734

60.1207, 0.2475,
0.3061

64.2166, 0.2601,
0.3117

68.8102, 0.2739,
0.3171

■ 73.9262, 0.2886,
0.3220

■ 79.5880, 0.3038,
0.3266

■ 85.8170, 0.3193,
0.3307

■ 89.9816, 0.3257,
0.3346

Harmonies

Analogous

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



50.5307, 0.2378, 0.3363



50.5307, 0.2196, 0.2881



50.5307, 0.2236, 0.2570

Triad

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



50.5307, 0.2196, 0.2881



50.5307, 0.3454, 0.2794



50.5307, 0.3749, 0.4200

Complementary

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



50.5307, 0.2196, 0.2881



24.7809, 0.5502, 0.3549

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.



50.5307, 0.4086, 0.3945



50.5307, 0.2196, 0.2881



50.5307, 0.3921, 0.3152

Square

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



50.5307, 0.2196, 0.2881



50.5307, 0.2924, 0.2548



50.5307, 0.4157, 0.3561



50.5307, 0.3261, 0.4195

Rectangle

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



50.5307, 0.2196, 0.2881



50.5307, 0.2383, 0.2476



50.5307, 0.4157, 0.3561



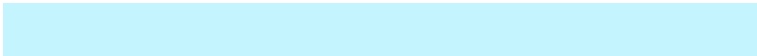
50.5307, 0.3885, 0.4138

Sweetspot

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



50.5325, 0.2196, 0.2881



84.3726, 0.2777, 0.3184



60.9881, 0.2928, 0.5394



17.6017, 0.2725, 0.3166



0.0000, 0.0000, 0.0000



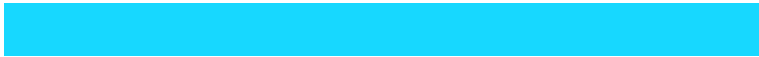
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.5325, 0.2196, 0.2881



56.4417, 0.2119, 0.2786



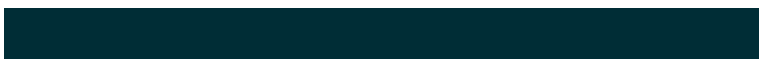
19.4358, 0.1859, 0.1573



16.6642, 0.2981, 0.3249



25.3148, 0.2096, 0.2744



2.1023, 0.2119, 0.2827

Inverse Universe

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



24.9996, 0.3545, 0.1896



26.8214, 0.3645, 0.1813



48.8890, 0.4588, 0.4444



15.2676, 0.3164, 0.3096



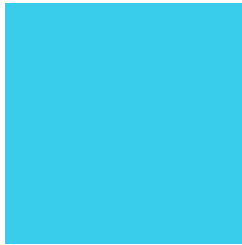
12.0484, 0.3687, 0.1805



0.9576, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 50.5307, 0.2196, 0.2881 looks on a white background.

Color Contrast Check

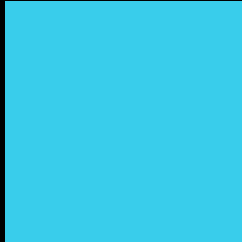
Large Text (above 18pt) WCAG AA × Fail

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 50.5307, 0.2196, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

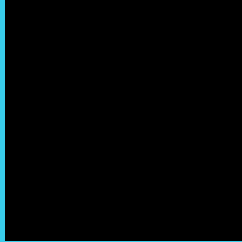
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5307, 0.2196, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 50.5307, 0.2196, 0.2881.

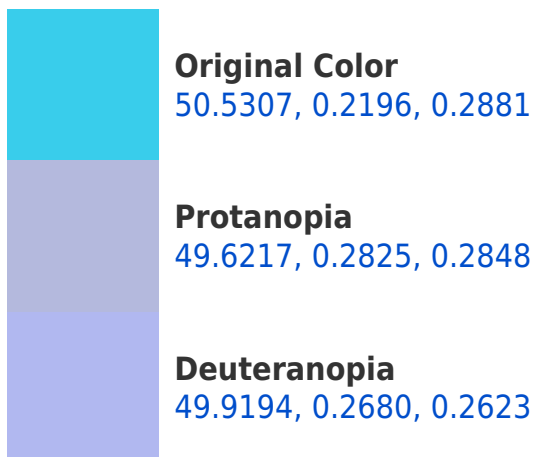


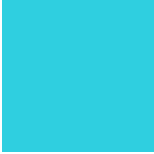
This preview shows how white text looks on a background with the Yxy color 50.5307, 0.2196, 0.2881.

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

50.6118, 0.2227, 0.3051

Trichromacy



Original Color

50.5307, 0.2196, 0.2881



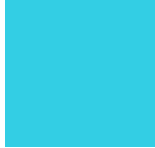
Protanomaly

48.3412, 0.2505, 0.2844



Deuteranomaly

48.8589, 0.2431, 0.2702



Tritanomaly

50.4479, 0.2215, 0.2984

Monochromacy



Original Color

50.5307, 0.2196, 0.2881



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.3179, 0.2628, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5307, 0.2196, 0.2881 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(57, 205, 235)` looks like.

```
.text, #text, p{  
    color:rgb(57, 205, 235)  
}
```

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(57, 205, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 205, 235) }
```

Border

The CSS property to change the border of an element to Yxy 50.5307, 0.2196, 0.2881 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(57, 205, 235) }
```

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

```
.border{ border-color:rgb(57, 205, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 205, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 205, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 205, 235);  
box-shadow:4px 4px 4px 4px rgb(57, 205,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5307, 0.2196, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 205, 235) }
```

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

```
.background{ background-color: rgb(57, 205,  
235) }
```

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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