

Converting Colors

$Yxy(52.1124, 0.2197, 0.2843)$

Have a look what the booklet for
Yxy(52.1124, 0.2197, 0.2843)
contains.

Yxy(52.0665, 0.2196, 0.2837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.0665, 0.2196, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	40CFF1
RGB	64, 207, 241
RGB Percent	25%, 81%, 95%
CMY	0.7493, 0.1882, 0.0548
CMYK	0.73, 0.14, 0.00, 0.05
HSL	192°, 86%, 60%
HSV	192°, 73%, 95%
XYZ	40.3024, 52.0665, 91.1577
YIQ	168.1190, -96.1420, -19.7420

Conversions

Conversions Part 2

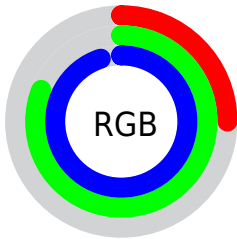
Format	Color
R _{YB}	64, 143, 241
Decimal	4247537
CIE _{Lab}	77.32, -26.61, -27.60
CIE _{LCh}	77, 38.338, 226.050
Yxy	52.0665, 0.2196, 0.2837
Android (android.graphics.Color)	4282437617 (0xFF40CFF1)
YUV	168.1190, 35.9303, -91.3124
Hunter-Lab	72.1571, -26.5760, -24.3924

Details

The Yxy color **52.0665, 0.2196, 0.2837** 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 **27.7981, 0.5372, 0.3592**, and the grayscale version is **39.0671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **25.9593, 0.2086, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **49.2180, 0.2134, 0.2766**, and if you desaturate by 10%, it is **55.3332, 0.2278, 0.2907**.

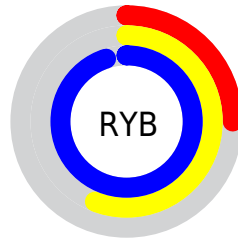
Distribution



Red (25%)

Green (81%)

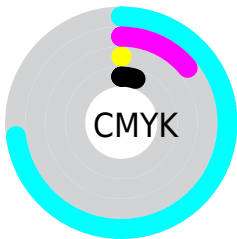
Blue (95%)



Red (25%)

Yellow (56%)

Blue (95%)

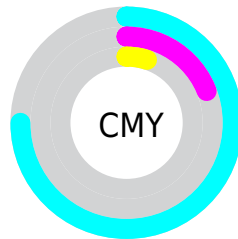


Cyan (73%)

Magenta (14%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (19%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0665, 0.2196, 0.2837 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 52.0665, 0.2196, 0.2837 by changing the saturation by 10% instead.


 52.0665, 0.2196,
0.2837


 52.0665, 0.2196,
0.2837


394.6933, 0.2633,
0.3070


 37.0581, 0.2096,
0.2778


 93.2293, 0.2348,
0.2922

 25.2525, 0.1974,
0.2703

 120.1525, 0.2407,
0.2954

 16.2653, 0.1820,
0.2604


 151.8160, 0.2458,
0.2981

 9.7120, 0.1622,
0.2469

 188.6044, 0.2502,
0.3004

 5.2085, 0.1363,
0.2275

230.9019, 0.2541,
0.3024

 2.3701, 0.1019,
0.1981

279.0929, 0.2575,

 0.8104, 0.0233,

0.3041

0.1566

333.5619, 0.2606,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 52.0665, 0.2196,
0.2837

■ 52.0665, 0.2196,
0.2837

■ 49.2180, 0.2134,
0.2766

■ 55.3332, 0.2278,
0.2907

■ 46.7329, 0.2090,
0.2697


■ 59.0529, 0.2379,
0.2976

■ 45.2601, 0.2070,
0.2651

■ 63.2627, 0.2497,
0.3043


■ 67.9939, 0.2628,
0.3107

■ 73.2748, 0.2770,
0.3167

 79.1317, 0.2920,
0.3223

 85.5889, 0.3073,
0.3273

 92.3366, 0.3217,
0.3320

 95.1580, 0.3213,
0.3364

Harmonies

Analogous

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



52.0665, 0.2351, 0.3299



52.0665, 0.2196, 0.2837



52.0665, 0.2262, 0.2552

Triad

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



52.0665, 0.2196, 0.2837



52.0665, 0.3514, 0.2835



52.0665, 0.3692, 0.4208

Complementary

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



52.0665, 0.2196, 0.2837



27.7981, 0.5372, 0.3592

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.



52.0665, 0.4050, 0.3981



52.0665, 0.2196, 0.2837



52.0665, 0.3958, 0.3201

Square

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



52.0665, 0.2196, 0.2837



52.0665, 0.2987, 0.2575



52.0665, 0.4157, 0.3609



52.0665, 0.3198, 0.4165

Rectangle

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



52.0665, 0.2196, 0.2837



52.0665, 0.2424, 0.2475



52.0665, 0.4157, 0.3609



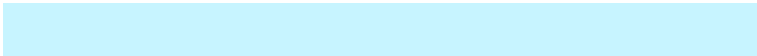
52.0665, 0.3833, 0.4157

Sweetspot

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



52.0684, 0.2196, 0.2837



84.1855, 0.2791, 0.3175



64.8607, 0.2918, 0.5301



17.6507, 0.2751, 0.3159



0.0000, 0.0000, 0.0000



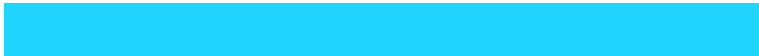
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0684, 0.2196, 0.2837



54.5428, 0.2111, 0.2733



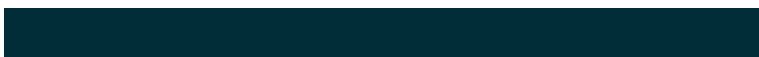
20.8748, 0.1878, 0.1587



17.3828, 0.2981, 0.3244



24.7298, 0.2073, 0.2663



2.1882, 0.2099, 0.2755

Inverse Universe

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



26.8684, 0.3581, 0.1949



26.9677, 0.3692, 0.1858



53.7464, 0.4521, 0.4456



15.9763, 0.3167, 0.3101



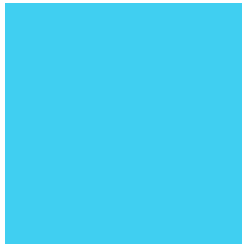
12.2898, 0.3764, 0.1847



1.0356, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 52.0665, 0.2196, 0.2837 looks on a white background.

Color Contrast Check

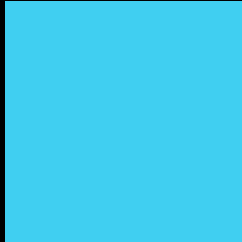
Large Text (above 18pt) WCAG AA × Fail

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 52.0665, 0.2196, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

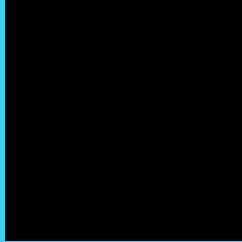
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0665, 0.2196, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 52.0665, 0.2196, 0.2837.



This preview shows how white text looks on a background with the Yxy color 52.0665, 0.2196, 0.2837.

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

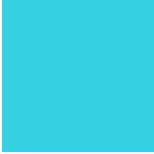
52.0665, 0.2196, 0.2837

Protanopia

51.3916, 0.2788, 0.2807

Deuteranopia

51.2366, 0.2653, 0.2586



Tritanopia

51.8488, 0.2238, 0.3053

Trichromacy



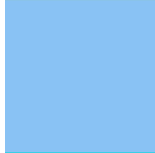
Original Color

52.0665, 0.2196, 0.2837



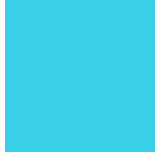
Protanomaly

50.3167, 0.2491, 0.2804



Deuteranomaly

50.4336, 0.2427, 0.2665



Tritanomaly

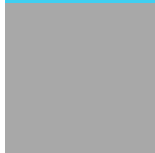
51.7511, 0.2223, 0.2975

Monochromacy



Original Color

52.0665, 0.2196, 0.2837



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.1419, 0.2635, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0665, 0.2196, 0.2837 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(64, 207, 241)` looks like.

```
.text, #text, p{  
    color:rgb(64, 207, 241)  
}
```

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(64, 207, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 207, 241) }
```

Border

The CSS property to change the border of an element to Yxy 52.0665, 0.2196, 0.2837 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(64, 207, 241) }
```

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

```
.border{ border-color:rgb(64, 207, 241) }
```

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

Here you see how a box with a 4 pixel rgb(64, 207, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 207, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 207, 241);  
box-shadow:4px 4px 4px 4px rgb(64, 207,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0665, 0.2196, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 207, 241) }
```

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

```
.background{ background-color: rgb(64, 207,  
241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor