

Converting Colors

$Yxy(51.6048, 0.2164, 0.2758)$

Have a look what the booklet for
Yxy(51.6048, 0.2164, 0.2758)
contains.

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Color

Yxy(51.7571, 0.2165, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	3CCEF6
RGB	60, 206, 246
RGB Percent	24%, 81%, 96%
CMY	0.7649, 0.1921, 0.0352
CMYK	0.76, 0.16, 0.00, 0.04
HSL	193°, 91%, 60%
HSV	193°, 76%, 96%
XYZ	40.5699, 51.7571, 95.0629
YIQ	166.9060, -99.8560, -18.5120

Conversions

Conversions Part 2

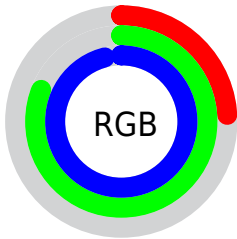
Format	Color
RYB	60, 142, 246
Decimal	3985142
CIELab	77.14, -24.98, -30.57
CIELCh	77, 39.482, 230.750
Yxy	51.7571, 0.2165, 0.2762
Android (android.graphics.Color)	4282175222 (0xFF3CCEF6)
YUV	166.9060, 38.9933, -93.7566
Hunter-Lab	71.9424, -25.2391, -27.9847

Details

The Yxy color **51.7571, 0.2165, 0.2762** 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 **29.0337, 0.5423, 0.3629**, and the grayscale version is **38.4335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **25.8509, 0.2060, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **48.6578, 0.2104, 0.2682**, and if you desaturate by 10%, it is **55.3016, 0.2246, 0.2842**.

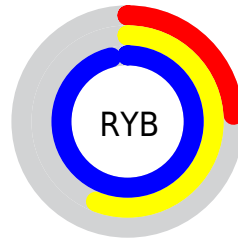
Distribution



Red (24%)

Green (81%)

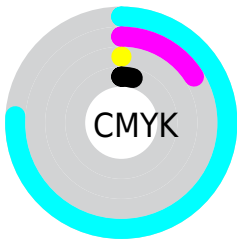
Blue (96%)



Red (24%)

Yellow (56%)

Blue (96%)

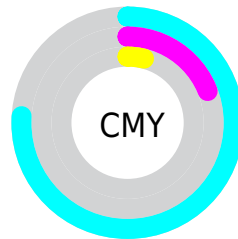


Cyan (76%)

Magenta (16%)

Yellow (0%)

Black (4%)



Cyan (76%)


Magenta (19%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7571, 0.2165, 0.2762 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 51.7571, 0.2165, 0.2762 by changing the saturation by 10% instead.


 51.7571, 0.2165,
0.2762


 51.7571, 0.2165,
0.2762


393.4982, 0.2615,
0.3030

 36.8115, 0.2063,
0.2695


 92.7729, 0.2321,
0.2860

 25.0616, 0.1937,
0.2611


 119.6119, 0.2382,
0.2896

 16.1229, 0.1780,
0.2500


 151.1842, 0.2435,
0.2927

 9.6112, 0.1580,
0.2350

 187.8741, 0.2480,
0.2954

 5.1419, 0.1319,
0.2139

230.0661, 0.2520,
0.2977

 2.3308, 0.0975,
0.1827

278.1445, 0.2556,

 0.7899, 0.0248,

0.2997

0.1388

332.4937, 0.2587,
0.3015

■ 0.0000, 0.0000,
0.0000

■ 51.7571, 0.2165,
0.2762

■ 51.7571, 0.2165,
0.2762

■ 48.6578, 0.2104,
0.2682

■ 55.3016, 0.2246,
0.2842

■ 45.9433, 0.2061,
0.2603

■ 59.3301, 0.2347,
0.2920

■ 44.8431, 0.2047,
0.2569

■ 63.8829, 0.2464,
0.2997

■ 68.9938, 0.2595,
0.3069

■ 74.6935, 0.2737,
0.3138

■ 81.0102, 0.2886,
0.3201

■ 87.9702, 0.3040,
0.3260

■ 95.2599, 0.3183,
0.3312

■ 98.5662, 0.3180,
0.3363

Harmonies

Analogous

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



51.7571, 0.2288, 0.3215



51.7571, 0.2165, 0.2762



51.7571, 0.2268, 0.2503

Triad

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



51.7571, 0.2165, 0.2762



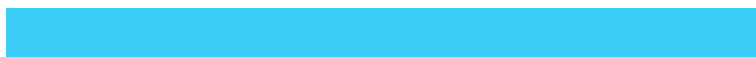
51.7571, 0.3608, 0.2875



51.7571, 0.3634, 0.4252

Complementary

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



51.7571, 0.2165, 0.2762



29.0337, 0.5423, 0.3629

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.



51.7571, 0.4035, 0.4050



51.7571, 0.2165, 0.2762



51.7571, 0.4037, 0.3262

Square

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



51.7571, 0.2165, 0.2762



51.7571, 0.3065, 0.2588



51.7571, 0.4193, 0.3681



51.7571, 0.3116, 0.4158

Rectangle

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



51.7571, 0.2165, 0.2762



51.7571, 0.2456, 0.2446



51.7571, 0.4193, 0.3681



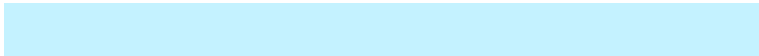
51.7571, 0.3787, 0.4212

Sweetspot

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



51.7589, 0.2165, 0.2762



82.7360, 0.2775, 0.3155



67.7545, 0.2908, 0.5326



17.2003, 0.2722, 0.3131



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.



51.7589, 0.2165, 0.2762



51.1052, 0.2078, 0.2638



20.0536, 0.1837, 0.1490



18.1173, 0.2980, 0.3238



24.1429, 0.2051, 0.2582



2.2688, 0.2078, 0.2681

Inverse Universe

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



27.2811, 0.3652, 0.1962



26.2827, 0.3783, 0.1891



56.8399, 0.4534, 0.4499



16.7037, 0.3171, 0.3106



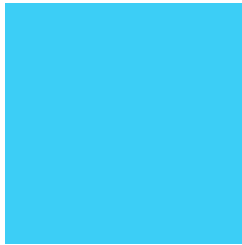
12.5366, 0.3842, 0.1890



1.1167, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 51.7571, 0.2165, 0.2762 looks on a white background.

Color Contrast Check

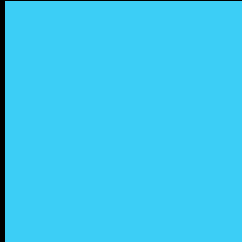
Large Text (above 18pt) WCAG AA × Fail

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 51.7571, 0.2165, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

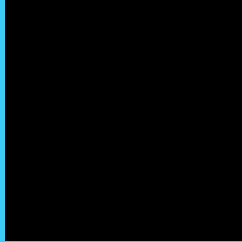
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7571, 0.2165, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 51.7571, 0.2165, 0.2762.



This preview shows how white text looks on a background with the Yxy color 51.7571, 0.2165, 0.2762.

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

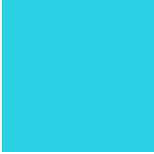
51.7571, 0.2165, 0.2762

Protanopia

50.8888, 0.2734, 0.2737

Deuteranopia

51.0815, 0.2597, 0.2530



Tritanopia

51.5842, 0.2218, 0.3052

Trichromacy



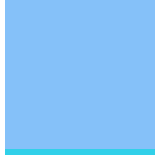
Original Color

51.7571, 0.2165, 0.2762



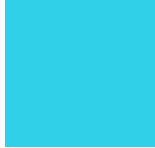
Protanomaly

49.9075, 0.2446, 0.2730



Deuteranomaly

49.9660, 0.2379, 0.2594



Tritanomaly

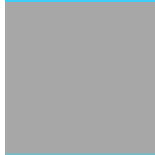
51.6479, 0.2199, 0.2948

Monochromacy



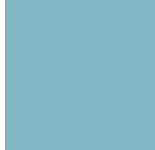
Original Color

51.7571, 0.2165, 0.2762



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.6225, 0.2614, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7571, 0.2165, 0.2762 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(60, 206, 246)` looks like.

```
.text, #text, p{  
    color:rgb(60, 206, 246)  
}
```

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(60, 206, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 206, 246) }
```

Border

The CSS property to change the border of an element to Yxy 51.7571, 0.2165, 0.2762 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(60, 206, 246) }
```

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

```
.border{ border-color:rgb(60, 206, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 206, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 206, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 206, 246);  
box-shadow:4px 4px 4px 4px rgb(60, 206,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7571, 0.2165, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 206, 246) }
```

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

```
.background{ background-color: rgb(60, 206,  
246) }
```

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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