

Converting Colors

$Y_{xy}(50.2473, 0.2080, 0.2611)$

Have a look what the booklet for
Yxy(50.2473, 0.2080, 0.2611)
contains.

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Color

Yxy(50.2552, 0.2080, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	21CBFF
RGB	33, 203, 255
RGB Percent	13%, 80%, 100%
CMY	0.8699, 0.2039, 0.0001
CMYK	0.87, 0.20, 0.00, 0.00
HSL	194°, 100%, 57%
HSV	194°, 87%, 100%
XYZ	40.0348, 50.2552, 102.1849
YIQ	158.0980, -118.0120, -19.8680

Conversions

Conversions Part 2

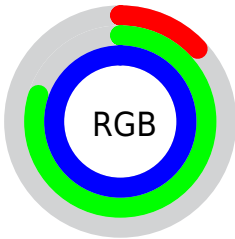
Format	Color
R _Y B	33, 129, 255
Decimal	2214911
CIE Lab	76.23, -22.72, -36.80
CIE LCh	76, 43.251, 238.309
Yxy	50.2552, 0.2080, 0.2611
Android (android.graphics.Color)	4280404991 (0xFF21CBFF)
YUV	158.0980, 47.7727, -109.7109
Hunter-Lab	70.8909, -23.2534, -35.8393

Details

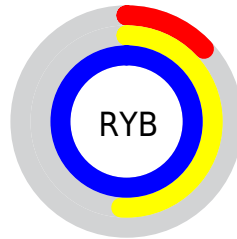
The Yxy color **50.2552, 0.2080, 0.2611** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.8917, 0.5804, 0.3616**, and the grayscale version is **34.0831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **47.2116, 0.2038, 0.2524**, and if you desaturate by 10%, it is **53.7281, 0.2141, 0.2699**.

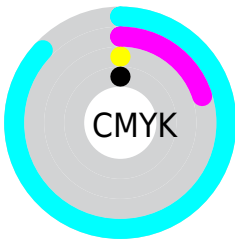
Distribution



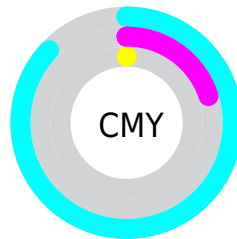
- Red (13%)
- Green (80%)
- Blue (100%)



- Red (13%)
- Yellow (51%)
- Blue (100%)



- Cyan (87%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2552, 0.2080, 0.2611 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 50.2552, 0.2080, 0.2611 by changing the saturation by 10% instead.


 50.2552, 0.2080,
0.2611


 50.2552, 0.2080,
0.2611


387.6631, 0.2569,
0.2951


 35.6162, 0.1970,
0.2528


 90.5529, 0.2249,
0.2733


 24.1379, 0.1836,
0.2424


 116.9804, 0.2315,
0.2780


 15.4360, 0.1669,
0.2290

 148.1061, 0.2372,
0.2819

 9.1259, 0.1459,
0.2112

 184.3146, 0.2421,
0.2853

 4.8234, 0.1190,
0.1868

 225.9901, 0.2465,
0.2883

 2.1440, 0.0848,
0.1525

273.5171, 0.2503,

 0.6892, 0.0153,

0.2908

0.1051

327.2800, 0.2538,
0.2931

0.0000, 0.0000,
0.0000

50.2552, 0.2080,
0.2611

50.2552, 0.2080,
0.2611

47.2116, 0.2038,
0.2524

53.7281, 0.2141,
0.2699

46.3489, 0.2027,
0.2498

57.6886, 0.2223,
0.2787

62.1885, 0.2323,
0.2874

67.2707, 0.2441,
0.2958

72.9730, 0.2572,
0.3038

■ 79.3295, 0.2715,
0.3114

■ 86.3718, 0.2865,
0.3184

■ 94.1289, 0.3019,
0.3249

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



50.2552, 0.2149, 0.3059



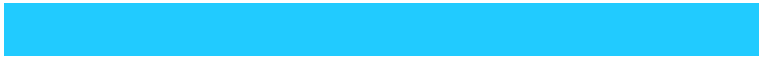
50.2552, 0.2080, 0.2611



50.2552, 0.2251, 0.2391

Triad

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



50.2552, 0.2080, 0.2611



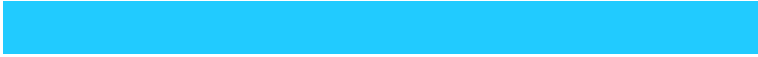
50.2552, 0.3798, 0.2932



50.2552, 0.3541, 0.4367

Complementary

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



50.2552, 0.2080, 0.2611



27.8917, 0.5804, 0.3616

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.



50.2552, 0.4032, 0.4202



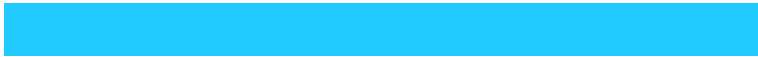
50.2552, 0.2080, 0.2611



50.2552, 0.4211, 0.3367

Square

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



50.2552, 0.2080, 0.2611



50.2552, 0.3207, 0.2587



50.2552, 0.4291, 0.3821



50.2552, 0.2964, 0.4174

Rectangle

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



50.2552, 0.2080, 0.2611



50.2552, 0.2491, 0.2370



50.2552, 0.4291, 0.3821



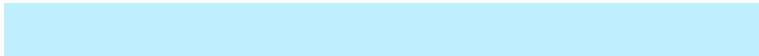
50.2552, 0.3722, 0.4347

Sweetspot

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



50.2569, 0.2080, 0.2611



80.0035, 0.2729, 0.3121



72.4922, 0.2901, 0.5530



16.6314, 0.2679, 0.3096



0.0000, 0.0000, 0.0000



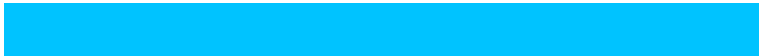
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2569, 0.2080, 0.2611



46.3547, 0.2027, 0.2498



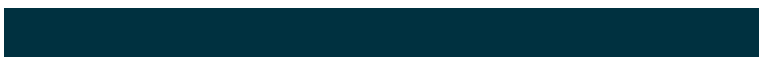
15.2570, 0.1680, 0.1137



19.7172, 0.2980, 0.3233



24.4615, 0.2031, 0.2513



2.5479, 0.2059, 0.2612

Inverse Universe

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



26.6669, 0.3806, 0.1931



25.2107, 0.3924, 0.1935



60.7750, 0.4639, 0.4606



18.2233, 0.3174, 0.3110



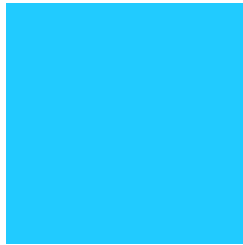
13.1974, 0.3910, 0.1927



1.3018, 0.3813, 0.1874

Previews

White Background



This preview shows how the Yxy color 50.2552, 0.2080, 0.2611 looks on a white background.

Color Contrast Check

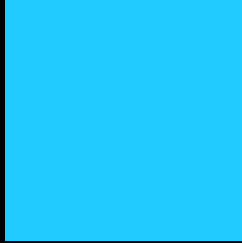
Large Text (above 18pt) WCAG AA × Fail

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 50.2552, 0.2080, 0.2611 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 50.2552, 0.2080, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 50.2552, 0.2080, 0.2611.

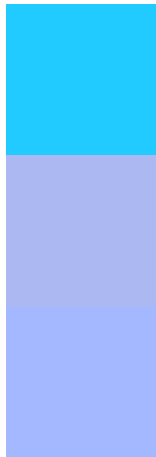


This preview shows how white text looks on a background with the Yxy color 50.2552, 0.2080, 0.2611.

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

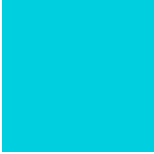
50.2552, 0.2080, 0.2611

Protanopia

49.4025, 0.2639, 0.2606

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

50.0075, 0.2180, 0.3048

Trichromacy



Original Color

50.2552, 0.2080, 0.2611



Protanomaly

48.0530, 0.2333, 0.2590



Deuteranomaly

48.1946, 0.2266, 0.2488



Tritanomaly

50.2189, 0.2142, 0.2890

Monochromacy



Original Color

50.2552, 0.2080, 0.2611



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.6331, 0.2521, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2552, 0.2080, 0.2611 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(33, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 203, 255)  
}
```

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(33, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.2552, 0.2080, 0.2611 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(33, 203, 255) }
```

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

```
.border{ border-color:rgb(33, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2552, 0.2080, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 203, 255) }
```

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

```
.background{ background-color: rgb(33, 203,  
255) }
```

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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