

Converting Colors

$Yxy(52.7006, 0.2121, 0.2674)$

Have a look what the booklet for
Yxy(52.7006, 0.2121, 0.2674)
contains.

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Color

Yxy(52.5495, 0.2120, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	33CFFF
RGB	51, 207, 255
RGB Percent	20%, 81%, 100%
CMY	0.8001, 0.1882, 0.0000
CMYK	0.80, 0.19, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 80%, 100%
XYZ	41.7247, 52.5495, 102.5404
YIQ	165.8280, -108.3840, -18.1440

Conversions

Conversions Part 2

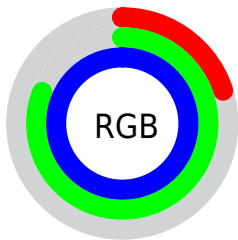
Format	Color
R _Y B	51, 139, 255
Decimal	3395583
CIE Lab	77.61, -23.48, -34.65
CIE LCh	78, 41.852, 235.874
Yxy	52.5495, 0.2120, 0.2670
Android (android.graphics.Color)	4281585663 (0xFF33CFFF)
YUV	165.8280, 43.9618, -100.7042
Hunter-Lab	72.4910, -24.1175, -33.1235

Details

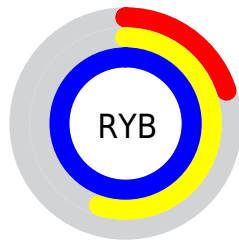
The Yxy color **52.5495, 0.2120, 0.2670** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.4117, 0.5560, 0.3653**, and the grayscale version is **37.8662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **49.2099, 0.2065, 0.2582**, and if you desaturate by 10%, it is **56.3656, 0.2195, 0.2758**.

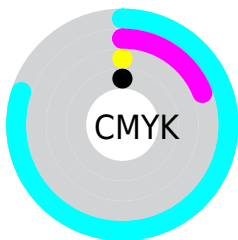
Distribution



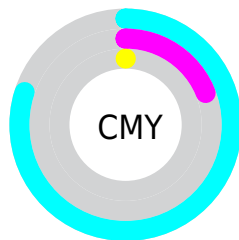
- Red (20%)
- Green (81%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5495, 0.2120, 0.2670 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 52.5495, 0.2120, 0.2670 by changing the saturation by 10% instead.


 52.5495, 0.2120,
0.2670


 52.5495, 0.2120,
0.2670


396.5543, 0.2588,
0.2980


 37.4433, 0.2015,
0.2595


 93.9411, 0.2282,
0.2782

 25.5509, 0.1886,
0.2499


 120.9953, 0.2345,
0.2824

 16.4879, 0.1727,
0.2377

 152.8009, 0.2399,
0.2860

 9.8701, 0.1525,
0.2213

 189.7424, 0.2447,
0.2891

 5.3129, 0.1266,
0.1988

232.2040, 0.2488,
0.2918

 2.4320, 0.0932,
0.1666

280.5703, 0.2525,

 0.8423, 0.0330,

0.2941

0.1222

335.2256, 0.2558,
0.2962

■ 0.0000, 0.0000,
0.0000

■ 52.5495, 0.2120,
0.2670

■ 52.5495, 0.2120,
0.2670

■ 49.2099, 0.2065,
0.2582

■ 56.3656, 0.2195,
0.2758

■ 46.2578, 0.2027,
0.2495

■ 60.7058, 0.2290,
0.2846

■ 65.6166, 0.2403,
0.2931

■ 71.1374, 0.2531,
0.3013

■ 77.3031, 0.2671,
0.3091

■ 84.1462, 0.2819,
0.3163

■ 91.6963, 0.2972,
0.3230

99.9812, 0.3127,
0.3290

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



52.5495, 0.2207, 0.3115



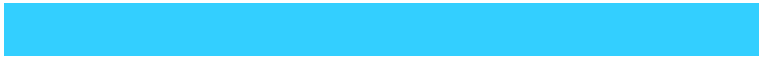
52.5495, 0.2120, 0.2670



52.5495, 0.2266, 0.2439

Triad

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



52.5495, 0.2120, 0.2670



52.5495, 0.3725, 0.2917



52.5495, 0.3569, 0.4314

Complementary

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



52.5495, 0.2120, 0.2670



30.4117, 0.5560, 0.3653

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.



52.5495, 0.4024, 0.4140



52.5495, 0.2120, 0.2670



52.5495, 0.4138, 0.3332

Square

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



52.5495, 0.2120, 0.2670



52.5495, 0.3158, 0.2595



52.5495, 0.4244, 0.3768



52.5495, 0.3018, 0.4157

Rectangle

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



52.5495, 0.2120, 0.2670



52.5495, 0.2486, 0.2405



52.5495, 0.4244, 0.3768



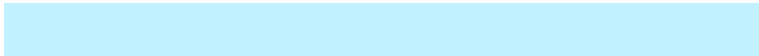
52.5495, 0.3738, 0.4288

Sweetspot

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



52.5513, 0.2120, 0.2670



81.3409, 0.2759, 0.3135



73.1082, 0.2889, 0.5368



16.8925, 0.2706, 0.3109



0.0000, 0.0000, 0.0000



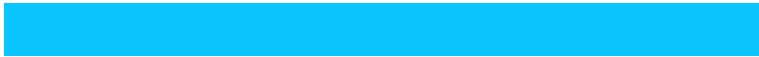
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5513, 0.2120, 0.2670



47.4124, 0.2041, 0.2530



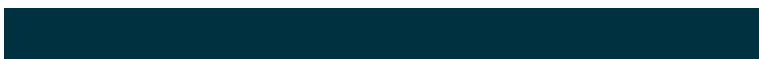
18.1026, 0.1758, 0.1299



19.7146, 0.2980, 0.3233



24.4140, 0.2031, 0.2510



2.5437, 0.2058, 0.2609

Inverse Universe

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



28.1284, 0.3742, 0.1961



25.5322, 0.3891, 0.1930



63.0762, 0.4548, 0.4581



18.2230, 0.3174, 0.3110



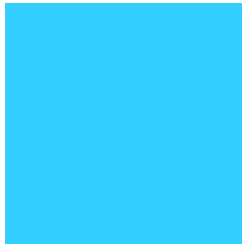
13.1926, 0.3912, 0.1929



1.3013, 0.3815, 0.1875

Previews

White Background



This preview shows how the Yxy color 52.5495, 0.2120, 0.2670 looks on a white background.

Color Contrast Check

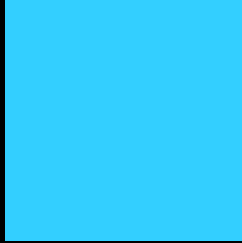
Large Text (above 18pt) WCAG AA × Fail

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 52.5495, 0.2120, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

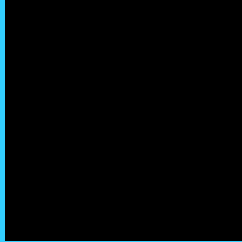
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

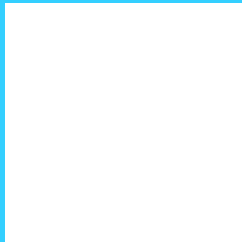
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5495, 0.2120, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 52.5495, 0.2120, 0.2670.



This preview shows how white text looks on a background with the Yxy color 52.5495, 0.2120, 0.2670.

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

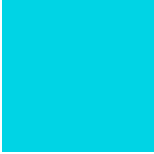
52.5495, 0.2120, 0.2670

Protanopia

51.6644, 0.2679, 0.2662

Deuteranopia

51.8444, 0.2558, 0.2511



Tritanopia

52.7441, 0.2182, 0.3053

Trichromacy



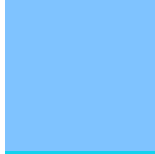
Original Color

52.5495, 0.2120, 0.2670



Protanomaly

50.5093, 0.2388, 0.2651



Deuteranomaly

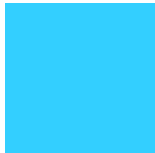
50.7622, 0.2327, 0.2550



Tritanomaly

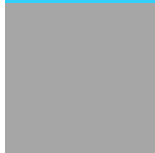
52.4047, 0.2151, 0.2910

Monochromacy



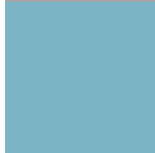
Original Color

52.5495, 0.2120, 0.2670



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.4101, 0.2575, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5495, 0.2120, 0.2670 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(51, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 207, 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(51, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.5495, 0.2120, 0.2670 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(51, 207, 255) }
```

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

```
.border{ border-color:rgb(51, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5495, 0.2120, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 207, 255) }
```

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

```
.background{ background-color: rgb(51, 207,  
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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