

Converting Colors

$Yxy(50.9467, 0.2149, 0.2525)$

Have a look what the booklet for
Yxy(50.9467, 0.2149, 0.2525)
contains.

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Color

Yxy(50.3676, 0.2171, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	53C8FF
RGB	83, 200, 255
RGB Percent	33%, 78%, 100%
CMY	0.6738, 0.2157, 0.0000
CMYK	0.67, 0.22, 0.00, 0.00
HSL	199°, 100%, 66%
HSV	199°, 67%, 100%
XYZ	42.2846, 50.3676, 102.1181
YIQ	171.2870, -87.3870, -7.6990

Conversions

Conversions Part 2

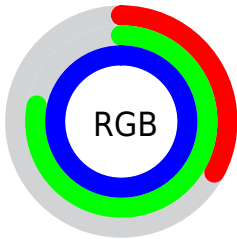
Format	Color
R _Y B	83, 153, 255
Decimal	5490943
CIE Lab	76.29, -16.12, -36.64
CIE LCh	76, 40.032, 246.248
Yxy	50.3676, 0.2171, 0.2586
Android (android.graphics.Color)	4283681023 (0xFF53C8FF)
YUV	171.2870, 41.2705, -77.4277
Hunter-Lab	70.9701, -17.8459, -35.6326

Details

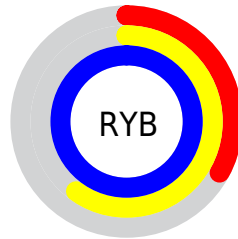
The Yxy color **50.3676, 0.2171, 0.2586** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.1174, 0.4933, 0.3811**, and the grayscale version is **40.7196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.7299, 0.2078, 0.2462**, and if you desaturate by 10%, it is **55.6346, 0.2284, 0.2708**.

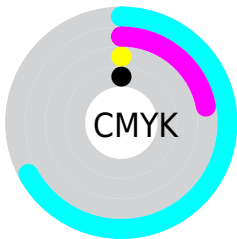
Distribution



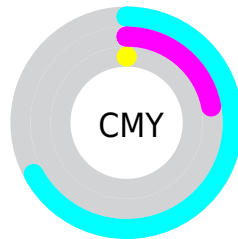
- Red (33%)
- Green (78%)
- Blue (100%)



- Red (33%)
- Yellow (60%)
- Blue (100%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3676, 0.2171, 0.2586 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 50.3676, 0.2171, 0.2586 by changing the saturation by 10% instead.

■ 50.3676, 0.2171,
0.2586

■ 50.3676, 0.2171,
0.2586

388.1017, 0.2620,
0.2933

■ 35.7056, 0.2069,
0.2503

■ 90.7193, 0.2327,
0.2710

■ 24.2069, 0.1944,
0.2398

■ 117.1777, 0.2388,
0.2757

■ 15.4872, 0.1787,
0.2265

■ 148.3371, 0.2440,
0.2798

■ 9.1620, 0.1588,
0.2088

■ 184.5818, 0.2485,
0.2832

■ 4.8470, 0.1330,
0.1847

226.2962, 0.2525,
0.2863

■ 2.1578, 0.0992,
0.1511

273.8648, 0.2560,

■ 0.6968, 0.0400,

0.2889

0.1036

327.6718, 0.2592,
0.2913

0.0000, 0.0000,
0.0000

50.3676, 0.2171,
0.2586

50.3676, 0.2171,
0.2586

45.7299, 0.2078,
0.2462

55.6346, 0.2284,
0.2708

41.6678, 0.2005,
0.2339

61.5747, 0.2412,
0.2827

38.1144, 0.1953,
0.2218

68.2280, 0.2553,
0.2939

37.2436, 0.1941,
0.2186

75.6308, 0.2702,
0.3044

83.8163, 0.2857,
0.3142

■ 92.8154, 0.3013,
0.3230

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



50.3676, 0.2176, 0.2952



50.3676, 0.2171, 0.2586



50.3676, 0.2390, 0.2434

Triad

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



50.3676, 0.2171, 0.2586



50.3676, 0.3873, 0.3061



50.3676, 0.3376, 0.4270

Complementary

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



50.3676, 0.2171, 0.2586



40.1174, 0.4933, 0.3811

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.



50.3676, 0.3866, 0.4204



50.3676, 0.2171, 0.2586



50.3676, 0.4181, 0.3481

Square

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



50.3676, 0.2171, 0.2586



50.3676, 0.3353, 0.2708



50.3676, 0.4171, 0.3895



50.3676, 0.2843, 0.3998

Rectangle

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



50.3676, 0.2171, 0.2586



50.3676, 0.2650, 0.2446



50.3676, 0.4171, 0.3895



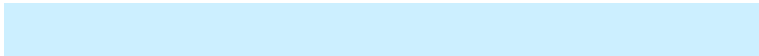
50.3676, 0.3551, 0.4283

Sweetspot

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



50.3680, 0.2171, 0.2586



81.5979, 0.2816, 0.3117



75.1897, 0.2829, 0.4845



16.9682, 0.2773, 0.3090



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.



50.3680, 0.2171, 0.2586



44.1977, 0.2049, 0.2418



21.2535, 0.1896, 0.1453



19.4431, 0.2980, 0.3212



19.7423, 0.1946, 0.2206



2.1198, 0.1985, 0.2344

Inverse Universe

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



31.6419, 0.3796, 0.2193



27.0793, 0.3987, 0.2097



74.9289, 0.4246, 0.4589



18.1956, 0.3187, 0.3130



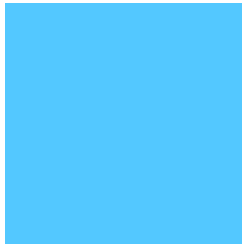
12.7210, 0.4226, 0.2102



1.2585, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 50.3676, 0.2171, 0.2586 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 50.3676, 0.2171, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

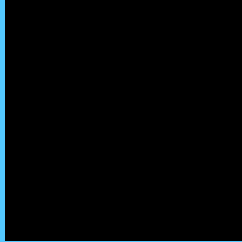
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

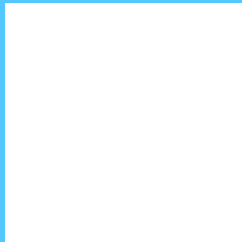
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3676, 0.2171, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 50.3676, 0.2171, 0.2586.



This preview shows how white text looks on a background with the Yxy color 50.3676, 0.2171, 0.2586.

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

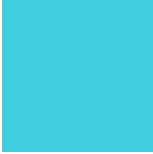
50.3676, 0.2171, 0.2586

Protanopia

49.8269, 0.2622, 0.2596

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.5603, 0.2264, 0.3052

Trichromacy



Original Color

50.3676, 0.2171, 0.2586

Protanomaly

49.0313, 0.2414, 0.2582

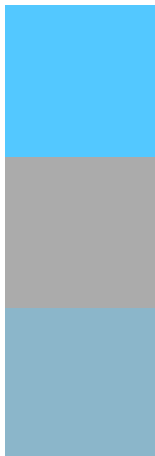
Deuteranomaly

49.1978, 0.2354, 0.2493

Tritanomaly

50.5235, 0.2227, 0.2871

Monochromacy



Original Color

50.3676, 0.2171, 0.2586

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.2091, 0.2651, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3676, 0.2171, 0.2586 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(83, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 200, 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(83, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.3676, 0.2171, 0.2586 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(83, 200, 255) }
```

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

```
.border{ border-color:rgb(83, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3676, 0.2171, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 200, 255) }
```

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

```
.background{ background-color: rgb(83, 200,  
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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