

Converting Colors

$Y_{xy}(50.2012, 0.2153, 0.2587)$

Have a look what the booklet for
Yxy(50.2012, 0.2153, 0.2587)
contains.

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Color

Yxy(50.1063, 0.2153, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	4DC8FF
RGB	77, 200, 255
RGB Percent	30%, 78%, 100%
CMY	0.6983, 0.2157, 0.0000
CMYK	0.70, 0.22, 0.00, 0.00
HSL	199°, 100%, 65%
HSV	199°, 70%, 100%
XYZ	41.7649, 50.1063, 102.1137
YIQ	169.4930, -90.9630, -8.9710

Conversions

Conversions Part 2

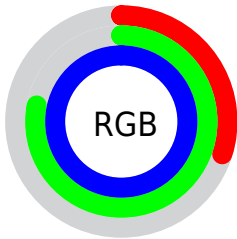
Format	Color
RYB	77, 150, 255
Decimal	5097727
CIELab	76.13, -17.01, -36.91
CIElCh	76, 40.642, 245.266
Yxy	50.1063, 0.2153, 0.2583
Android (android.graphics.Color)	4283287807 (0xFF4DC8FF)
YUV	169.4930, 42.1550, -81.1164
Hunter-Lab	70.7858, -18.5568, -35.9801

Details

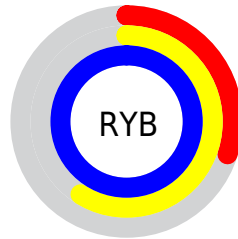
The Yxy color **50.1063, 0.2153, 0.2583** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.2750, 0.5041, 0.3797**, and the grayscale version is **39.7429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.6910, 0.2066, 0.2464**, and if you desaturate by 10%, it is **55.1227, 0.2260, 0.2702**.

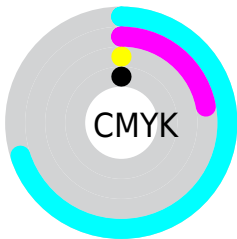
Distribution



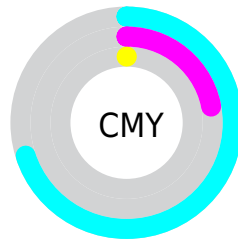
- Red (30%)
- Green (78%)
- Blue (100%)



- Red (30%)
- Yellow (59%)
- Blue (100%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1063, 0.2153, 0.2583 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 50.1063, 0.2153, 0.2583 by changing the saturation by 10% instead.


 50.1063, 0.2153,
0.2583

 50.1063, 0.2153,
0.2583


387.0815, 0.2610,
0.2933

 35.4979, 0.2049,
0.2499


 90.3324, 0.2312,
0.2708


 24.0466, 0.1922,
0.2394


 116.7188, 0.2373,
0.2756

 15.3682, 0.1763,
0.2259


 147.8000, 0.2427,
0.2796

 9.0782, 0.1561,
0.2080

 183.9603, 0.2473,
0.2831

 4.7922, 0.1300,
0.1837

225.5843, 0.2514,
0.2861

 2.1259, 0.0961,
0.1497

273.0562, 0.2550,

 0.6791, 0.0345,

0.2888

0.1018

326.7605, 0.2582,
0.2912

0.0000, 0.0000,
0.0000

50.1063, 0.2153,
0.2583

50.1063, 0.2153,
0.2583

45.6910, 0.2066,
0.2464

55.1227, 0.2260,
0.2702

41.8254, 0.2000,
0.2346

60.7894, 0.2383,
0.2816

38.4223, 0.1953,
0.2230

67.1462, 0.2520,
0.2926

38.3683, 0.1952,
0.2228

74.2295, 0.2666,
0.3029

82.0731, 0.2819,
0.3125

■ 90.7080, 0.2974,
0.3212

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.



50.1063, 0.2166, 0.2961



50.1063, 0.2153, 0.2583



50.1063, 0.2368, 0.2422

Triad

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



50.1063, 0.2153, 0.2583



50.1063, 0.3870, 0.3044



50.1063, 0.3397, 0.4290

Complementary

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



50.1063, 0.2153, 0.2583



38.2750, 0.5041, 0.3797

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.



50.1063, 0.3891, 0.4211



50.1063, 0.2153, 0.2583



50.1063, 0.4194, 0.3468

Square

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



50.1063, 0.2153, 0.2583



50.1063, 0.3337, 0.2689



50.1063, 0.4193, 0.3890



50.1063, 0.2855, 0.4025

Rectangle

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



50.1063, 0.2153, 0.2583



50.1063, 0.2627, 0.2431



50.1063, 0.4193, 0.3890



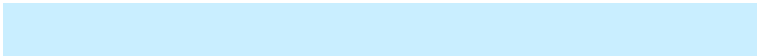
50.1063, 0.3574, 0.4300

Sweetspot

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



50.1053, 0.2153, 0.2584



81.1186, 0.2801, 0.3114



74.7156, 0.2839, 0.4949



16.8879, 0.2759, 0.3088



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.



50.1053, 0.2153, 0.2584



44.0176, 0.2036, 0.2415



20.5020, 0.1864, 0.1418



19.4792, 0.2980, 0.3215



20.3258, 0.1958, 0.2247



2.1733, 0.1995, 0.2380

Inverse Universe

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



30.7273, 0.3805, 0.2152



26.4996, 0.3994, 0.2068



72.6586, 0.4301, 0.4595



18.1992, 0.3186, 0.3127



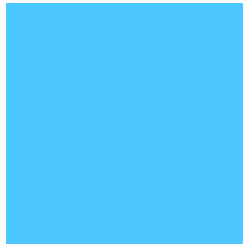
12.7799, 0.4182, 0.2078



1.2639, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 50.1063, 0.2153, 0.2583 looks on a white background.

Color Contrast Check

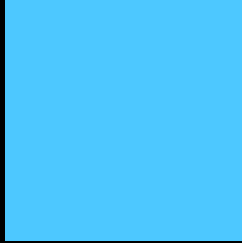
Large Text (above 18pt) WCAG AA × Fail

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 50.1063, 0.2153, 0.2583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

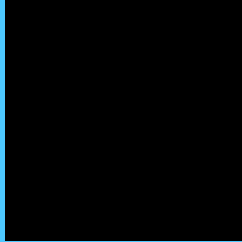
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

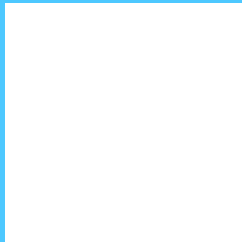
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1063, 0.2153, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 50.1063, 0.2153, 0.2583.



This preview shows how white text looks on a background with the Yxy color 50.1063, 0.2153, 0.2583.

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

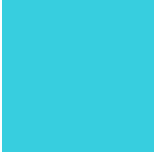
50.1063, 0.2153, 0.2583

Protanopia

49.4100, 0.2621, 0.2584

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

50.2826, 0.2243, 0.3051

Trichromacy



Original Color

50.1063, 0.2153, 0.2583

Protanomaly

48.8607, 0.2403, 0.2580

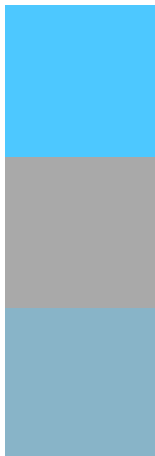
Deuteranomaly

48.9524, 0.2339, 0.2490

Tritanomaly

50.2407, 0.2206, 0.2869

Monochromacy



Original Color

50.1063, 0.2153, 0.2583

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.0469, 0.2640, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1063, 0.2153, 0.2583 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(77, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.1063, 0.2153, 0.2583 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(77, 200, 255) }
```

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

```
.border{ border-color:rgb(77, 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(77, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1063, 0.2153, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 200, 255) }
```

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

```
.background{ background-color: rgb(77, 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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