

Converting Colors

$Y_{xy}(50.7269, 0.2157, 0.2603)$

Have a look what the booklet for
Yxy(50.7269, 0.2157, 0.2603)
contains.

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Color

Yxy(50.5711, 0.2157, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	4DC9FF
RGB	77, 201, 255
RGB Percent	30%, 79%, 100%
CMY	0.6976, 0.2118, 0.0000
CMYK	0.70, 0.21, 0.00, 0.00
HSL	198°, 100%, 65%
HSV	198°, 70%, 100%
XYZ	42.0030, 50.5711, 102.1548
YIQ	170.0800, -91.2380, -9.4940

Conversions

Conversions Part 2

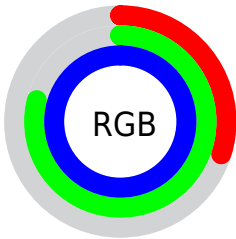
Format	Color
RYB	77, 150, 255
Decimal	5097983
CIELab	76.42, -17.51, -36.45
CIELCh	76, 40.437, 244.343
Yxy	50.5711, 0.2157, 0.2597
Android (android.graphics.Color)	4283288063 (0xFF4DC9FF)
YUV	170.0800, 41.8656, -81.6312
Hunter-Lab	71.1134, -19.0176, -35.3911

Details

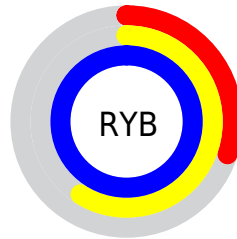
The Yxy color **50.5711, 0.2157, 0.2597** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.0609, 0.5047, 0.3787**, and the grayscale version is **40.0769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.9447, 0.2008, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **46.1914, 0.2071, 0.2480**, and if you desaturate by 10%, it is **55.5518, 0.2263, 0.2713**.

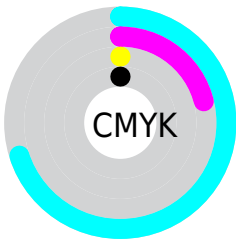
Distribution



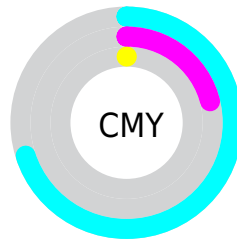
- Red (30%)
- Green (79%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5711, 0.2157, 0.2597 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 50.5711, 0.2157, 0.2597 by changing the saturation by 10% instead.


 50.5711, 0.2157,
0.2597


 50.5711, 0.2157,
0.2597


388.8951, 0.2612,
0.2940

 35.8674, 0.2054,
0.2515


 91.0205, 0.2315,
0.2720


 24.3318, 0.1927,
0.2411


 117.5349, 0.2376,
0.2766

 15.5799, 0.1770,
0.2278


 148.7551, 0.2429,
0.2806

 9.2274, 0.1569,
0.2103

 185.0653, 0.2475,
0.2840

 4.8898, 0.1310,
0.1864

226.8500, 0.2516,
0.2870

 2.1827, 0.0972,
0.1528

274.4937, 0.2551,

 0.7106, 0.0369,

0.2896

0.1057

328.3805, 0.2583,
0.2919

0.0000, 0.0000,
0.0000

50.5711, 0.2157,
0.2597

50.5711, 0.2157,
0.2597

46.1914, 0.2071,
0.2480

55.5518, 0.2263,
0.2713

42.3531, 0.2006,
0.2364

61.1743, 0.2385,
0.2825

38.9730, 0.1959,
0.2250

67.4807, 0.2522,
0.2933

38.8957, 0.1958,
0.2247

74.5076, 0.2668,
0.3034

82.2884, 0.2820,
0.3128

■ 90.8541, 0.2976,
0.3214

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.



50.5711, 0.2177, 0.2978



50.5711, 0.2157, 0.2597



50.5711, 0.2364, 0.2430

Triad

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



50.5711, 0.2157, 0.2597



50.5711, 0.3850, 0.3033



50.5711, 0.3412, 0.4284

Complementary

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



50.5711, 0.2157, 0.2597



38.0609, 0.5047, 0.3787

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.



50.5711, 0.3898, 0.4197



50.5711, 0.2157, 0.2597



50.5711, 0.4180, 0.3454

Square

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



50.5711, 0.2157, 0.2597



50.5711, 0.3318, 0.2685



50.5711, 0.4190, 0.3875



50.5711, 0.2873, 0.4031

Rectangle

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



50.5711, 0.2157, 0.2597



50.5711, 0.2617, 0.2435



50.5711, 0.4190, 0.3875



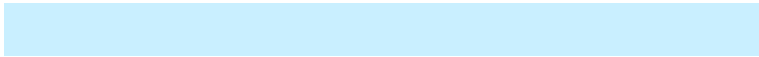
50.5711, 0.3587, 0.4290

Sweetspot

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



50.5728, 0.2157, 0.2597



81.2824, 0.2801, 0.3117



74.7269, 0.2839, 0.4947



16.9271, 0.2759, 0.3091



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.



50.5728, 0.2157, 0.2597



44.5016, 0.2041, 0.2431



20.5429, 0.1865, 0.1420



19.4958, 0.2980, 0.3216



20.5993, 0.1963, 0.2266



2.1983, 0.1999, 0.2397

Inverse Universe

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



30.7998, 0.3792, 0.2145



26.5485, 0.3979, 0.2058



72.6808, 0.4300, 0.4595



18.2009, 0.3185, 0.3126



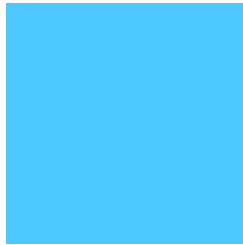
12.8075, 0.4162, 0.2067



1.2665, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 50.5711, 0.2157, 0.2597 looks on a white background.

Color Contrast Check

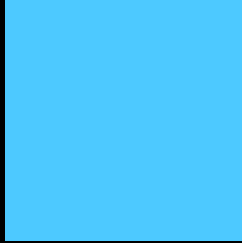
Large Text (above 18pt) WCAG AA × Fail

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 50.5711, 0.2157, 0.2597 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

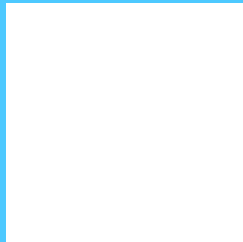
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5711, 0.2157, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 50.5711, 0.2157, 0.2597.



This preview shows how white text looks on a background with the Yxy color 50.5711, 0.2157, 0.2597.

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

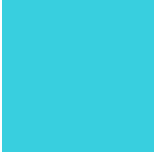
50.5711, 0.2157, 0.2597

Protanopia

49.9396, 0.2629, 0.2598

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.7941, 0.2249, 0.3065

Trichromacy



Original Color

50.5711, 0.2157, 0.2597

Protanomaly

49.2954, 0.2405, 0.2593

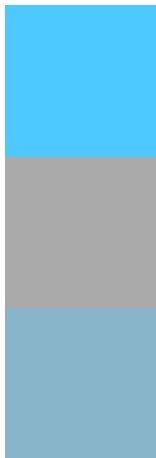
Deuteranomaly

49.4681, 0.2347, 0.2504

Tritanomaly

50.7508, 0.2212, 0.2883

Monochromacy



Original Color

50.5711, 0.2157, 0.2597

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.4990, 0.2636, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5711, 0.2157, 0.2597 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 201, 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, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.5711, 0.2157, 0.2597 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, 201, 255) }
```

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

```
.border{ border-color:rgb(77, 201, 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, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5711, 0.2157, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 201, 255) }
```

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

```
.background{ background-color: rgb(77, 201,  
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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