

Converting Colors

$Y_{xy}(50.9728, 0.2200, 0.2596)$

Have a look what the booklet for
Yxy(50.9728, 0.2200, 0.2596)
contains.

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Color

Yxy(50.8039, 0.2199, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	5CC8FF
RGB	92, 200, 255
RGB Percent	36%, 78%, 100%
CMY	0.6393, 0.2157, 0.0000
CMYK	0.64, 0.22, 0.00, 0.00
HSL	200°, 100%, 68%
HSV	200°, 64%, 100%
XYZ	43.1176, 50.8039, 102.1568
YIQ	173.9780, -82.0230, -5.7910

Conversions

Conversions Part 2

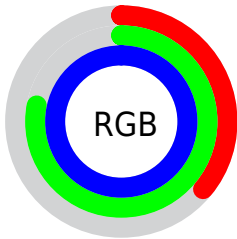
Format	Color
R _Y B	92, 157, 255
Decimal	6080767
CIE Lab	76.56, -14.78, -36.21
CIE LCh	77, 39.108, 247.796
Yxy	50.8039, 0.2199, 0.2591
Android (android.graphics.Color)	4284270847 (0xFF5CC8FF)
YUV	173.9780, 39.9438, -71.8947
Hunter-Lab	71.2769, -16.7542, -35.0830

Details

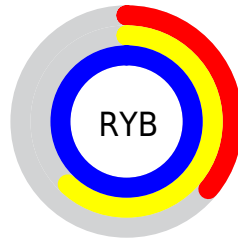
The Yxy color **50.8039, 0.2199, 0.2591** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.8901, 0.4783, 0.3827**, and the grayscale version is **42.1350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.8320, 0.2096, 0.2460**, and if you desaturate by 10%, it is **56.4428, 0.2320, 0.2719**.

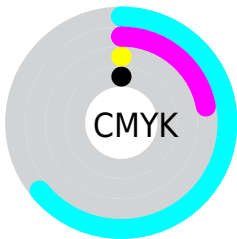
Distribution



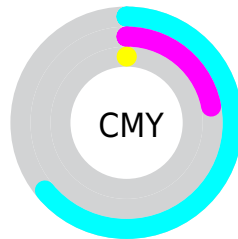
- Red (36%)
- Green (78%)
- Blue (100%)



- Red (36%)
- Yellow (62%)
- Blue (100%)



- Cyan (64%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8039, 0.2199, 0.2591 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 50.8039, 0.2199, 0.2591 by changing the saturation by 10% instead.


 50.8039, 0.2199,
0.2591


 50.8039, 0.2199,
0.2591


389.8014, 0.2635,
0.2935

 36.0526, 0.2100,
0.2509


 91.3648, 0.2351,
0.2714


 24.4748, 0.1978,
0.2406


 117.9432, 0.2409,
0.2760

 15.6862, 0.1825,
0.2274


 149.2328, 0.2460,
0.2800

 9.3024, 0.1631,
0.2100

 185.6178, 0.2504,
0.2835

 4.9389, 0.1377,
0.1864

227.4829, 0.2543,
0.2864

 2.2115, 0.1043,
0.1532

275.2122, 0.2577,

 0.7262, 0.0483,

0.2891

0.1065

329.1902, 0.2608,
0.2914

■ 0.0000, 0.0000,
0.0000

■ 50.8039, 0.2199,
0.2591

■ 50.8039, 0.2199,
0.2591

■ 45.8320, 0.2096,
0.2460

■ 56.4428, 0.2320,
0.2719

■ 41.4753, 0.2014,
0.2329

■ 62.7906, 0.2455,
0.2843

■ 37.6741, 0.1952,
0.2200

■ 69.8868, 0.2601,
0.2959

■ 35.5877, 0.1923,
0.2123

■ 77.7670, 0.2754,
0.3067

■ 86.4640, 0.2910,
0.3167

96.0085, 0.3066,
0.3257

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.



50.8039, 0.2193, 0.2939



50.8039, 0.2199, 0.2591



50.8039, 0.2424, 0.2452

Triad

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



50.8039, 0.2199, 0.2591



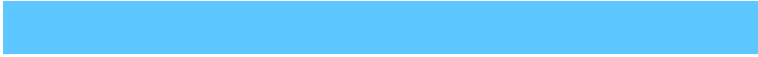
50.8039, 0.3875, 0.3087



50.8039, 0.3344, 0.4237

Complementary

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



50.8039, 0.2199, 0.2591



42.8901, 0.4783, 0.3827

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.



50.8039, 0.3827, 0.4191



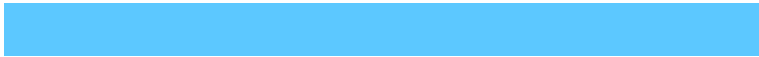
50.8039, 0.2199, 0.2591



50.8039, 0.4161, 0.3500

Square

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



50.8039, 0.2199, 0.2591



50.8039, 0.3376, 0.2737



50.8039, 0.4136, 0.3901



50.8039, 0.2826, 0.3956

Rectangle

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



50.8039, 0.2199, 0.2591



50.8039, 0.2685, 0.2470



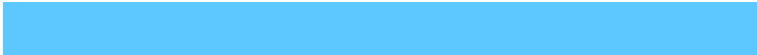
50.8039, 0.4136, 0.3901



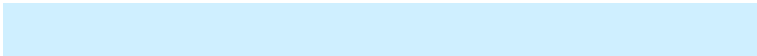
50.8039, 0.3516, 0.4257

Sweetspot

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



50.8045, 0.2199, 0.2591



81.9523, 0.2831, 0.3117



75.8791, 0.2822, 0.4718



17.0164, 0.2786, 0.3089



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.



50.8045, 0.2199, 0.2591



44.4324, 0.2069, 0.2420



22.7220, 0.1948, 0.1522



19.3886, 0.2980, 0.3208



18.8826, 0.1929, 0.2144



2.0406, 0.1970, 0.2290

Inverse Universe

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



33.0800, 0.3783, 0.2255



28.0159, 0.3976, 0.2145



77.4249, 0.4178, 0.4565



18.1901, 0.3190, 0.3134



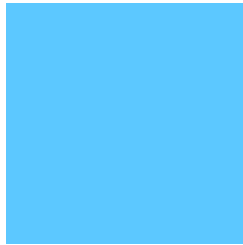
12.6342, 0.4292, 0.2138



1.2505, 0.4137, 0.2052

Previews

White Background



This preview shows how the Yxy color 50.8039, 0.2199, 0.2591 looks on a white background.

Color Contrast Check

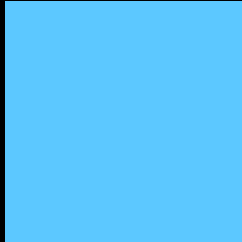
Large Text (above 18pt) WCAG AA × Fail

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 50.8039, 0.2199, 0.2591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

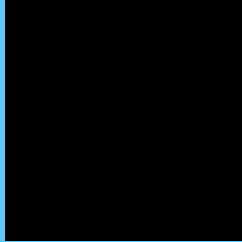
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

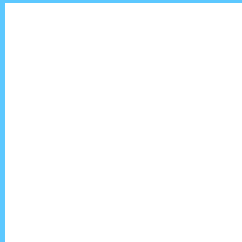
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8039, 0.2199, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 50.8039, 0.2199, 0.2591.



This preview shows how white text looks on a background with the Yxy color 50.8039, 0.2199, 0.2591.

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

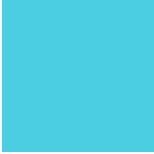
50.8039, 0.2199, 0.2591

Protanopia

50.0002, 0.2623, 0.2587

Deuteranopia

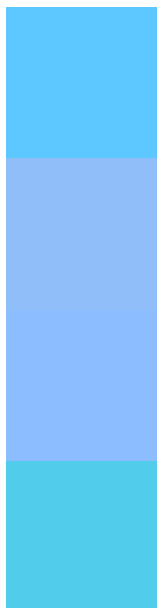
50.1334, 0.2528, 0.2469



Tritanopia

50.9662, 0.2294, 0.3054

Trichromacy



Original Color

50.8039, 0.2199, 0.2591

Protanomaly

49.4439, 0.2431, 0.2575

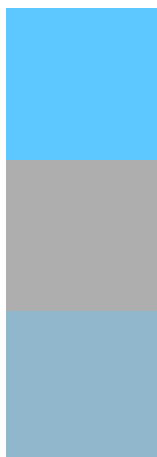
Deuteranomaly

49.6224, 0.2381, 0.2499

Tritanomaly

50.9332, 0.2256, 0.2874

Monochromacy



Original Color

50.8039, 0.2199, 0.2591

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1081, 0.2681, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8039, 0.2199, 0.2591 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(92, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.8039, 0.2199, 0.2591 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(92, 200, 255) }
```

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

```
.border{ border-color:rgb(92, 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(92, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8039, 0.2199, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 200, 255) }
```

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

```
.background{ background-color: rgb(92, 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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