

Converting Colors

$Yxy(50.8296, 0.2176, 0.2599)$

Have a look what the booklet for
Yxy(50.8296, 0.2176, 0.2599)
contains.

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Color

Yxy(50.8781, 0.2177, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	54C9FF
RGB	84, 201, 255
RGB Percent	33%, 79%, 100%
CMY	0.6703, 0.2118, 0.0000
CMYK	0.67, 0.21, 0.00, 0.00
HSL	199°, 100%, 66%
HSV	199°, 67%, 100%
XYZ	42.6006, 50.8781, 102.2063
YIQ	172.1730, -87.0660, -8.0100

Conversions

Conversions Part 2

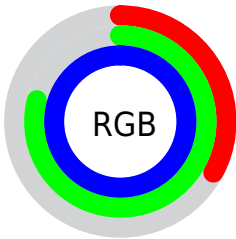
Format	Color
R _Y B	84, 153, 255
Decimal	5556735
CIE Lab	76.61, -16.52, -36.16
CIE LCh	77, 39.754, 245.454
Yxy	50.8781, 0.2177, 0.2600
Android (android.graphics.Color)	4283746815 (0xFF54C9FF)
YUV	172.1730, 40.8337, -77.3277
Hunter-Lab	71.3289, -18.2178, -35.0257

Details

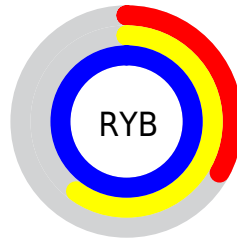
The Yxy color **50.8781, 0.2177, 0.2600** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.1017, 0.4926, 0.3803**, and the grayscale version is **41.1787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **24.9447, 0.2008, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **46.2482, 0.2084, 0.2478**, and if you desaturate by 10%, it is **56.1331, 0.2290, 0.2721**.

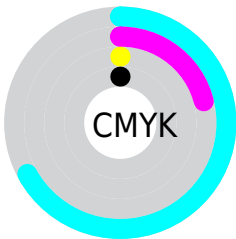
Distribution



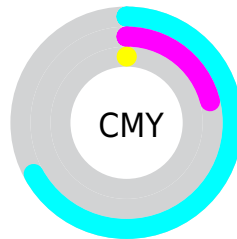
- Red (33%)
- Green (79%)
- Blue (100%)



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



- Cyan (67%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8781, 0.2177, 0.2600 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 50.8781, 0.2177, 0.2600 by changing the saturation by 10% instead.


 50.8781, 0.2177,
0.2600

 50.8781, 0.2177,
0.2600


390.0900, 0.2623,
0.2941

 36.1116, 0.2076,
0.2518


 91.4746, 0.2332,
0.2722


 24.5204, 0.1952,
0.2416


 118.0733, 0.2392,
0.2768

 15.7201, 0.1797,
0.2285


 149.3849, 0.2444,
0.2807

 9.3263, 0.1599,
0.2111

 185.7938, 0.2489,
0.2841

 4.9546, 0.1343,
0.1874

227.6844, 0.2528,
0.2871

 2.2207, 0.1007,
0.1542

275.4410, 0.2564,

 0.7312, 0.0429,

0.2897

0.1076

329.4481, 0.2595,
0.2920

0.0000, 0.0000,
0.0000

50.8781, 0.2177,
0.2600

50.8781, 0.2177,
0.2600

46.2482, 0.2084,
0.2478

56.1331, 0.2290,
0.2721

42.1915, 0.2011,
0.2356

62.0580, 0.2418,
0.2837

38.6424, 0.1958,
0.2237

68.6922, 0.2559,
0.2948

37.6575, 0.1945,
0.2202

76.0718, 0.2708,
0.3051

84.2297, 0.2862,
0.3147

■ 93.1966, 0.3018,
0.3234

100.0000, 0.3127,
0.3290

Harmonies

Analogous

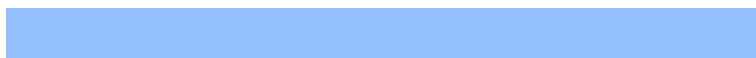
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8781, 0.2189, 0.2968



50.8781, 0.2177, 0.2600



50.8781, 0.2388, 0.2443

Triad

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



50.8781, 0.2177, 0.2600



50.8781, 0.3853, 0.3053



50.8781, 0.3388, 0.4261

Complementary

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



50.8781, 0.2177, 0.2600



40.1017, 0.4926, 0.3803

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.



50.8781, 0.3870, 0.4189



50.8781, 0.2177, 0.2600



50.8781, 0.4166, 0.3469

Square

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



50.8781, 0.2177, 0.2600



50.8781, 0.3336, 0.2706



50.8781, 0.4165, 0.3880



50.8781, 0.2860, 0.4001

Rectangle

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



50.8781, 0.2177, 0.2600



50.8781, 0.2643, 0.2452



50.8781, 0.4165, 0.3880



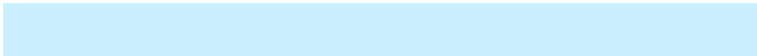
50.8781, 0.3561, 0.4272

Sweetspot

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



50.8780, 0.2177, 0.2600



81.7233, 0.2816, 0.3119



75.1675, 0.2841, 0.4873



16.9984, 0.2773, 0.3092



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.



50.8780, 0.2177, 0.2600



44.9859, 0.2060, 0.2442



22.1263, 0.1910, 0.1498



19.4564, 0.2980, 0.3213



19.9570, 0.1950, 0.2221



2.1395, 0.1988, 0.2358

Inverse Universe

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



31.8289, 0.3783, 0.2191



27.3691, 0.3961, 0.2094



73.5165, 0.4260, 0.4562



18.1969, 0.3187, 0.3129



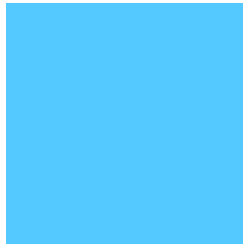
12.7426, 0.4210, 0.2093



1.2605, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 50.8781, 0.2177, 0.2600 looks on a white background.

Color Contrast Check

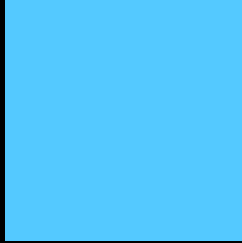
Large Text (above 18pt) WCAG AA × Fail

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 50.8781, 0.2177, 0.2600 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

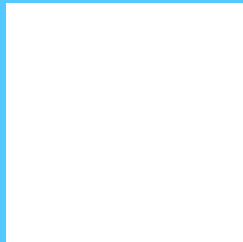
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8781, 0.2177, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 50.8781, 0.2177, 0.2600.



This preview shows how white text looks on a background with the Yxy color 50.8781, 0.2177, 0.2600.

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

50.8781, 0.2177, 0.2600

Protanopia

50.3595, 0.2630, 0.2610

Deuteranopia

50.5533, 0.2530, 0.2481



Tritanopia

51.0772, 0.2270, 0.3066

Trichromacy



Original Color

50.8781, 0.2177, 0.2600

Protanomaly

49.5525, 0.2422, 0.2596

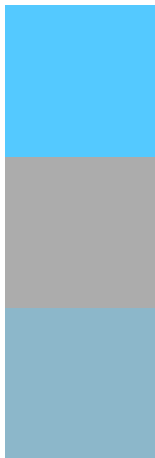
Deuteranomaly

49.8000, 0.2367, 0.2508

Tritanomaly

51.0385, 0.2233, 0.2885

Monochromacy



Original Color

50.8781, 0.2177, 0.2600

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.7067, 0.2660, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8781, 0.2177, 0.2600 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(84, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.8781, 0.2177, 0.2600 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(84, 201, 255) }
```

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

```
.border{ border-color:rgb(84, 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(84, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8781, 0.2177, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 201, 255) }
```

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

```
.background{ background-color: rgb(84, 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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