

Converting Colors

$Y_{xy}(50.8195, 0.2313, 0.2613)$

Have a look what the booklet for
Yxy(50.8195, 0.2313, 0.2613)
contains.

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Color

Yxy(50.8195, 0.2313, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	77C5FB
RGB	119, 197, 251
RGB Percent	47%, 77%, 98%
CMY	0.5332, 0.2274, 0.0158
CMYK	0.53, 0.22, 0.00, 0.02
HSL	205°, 94%, 73%
HSV	205°, 53%, 98%
XYZ	44.9849, 50.8195, 98.6828
YIQ	179.8340, -63.8220, 0.2580

Conversions

Conversions Part 2

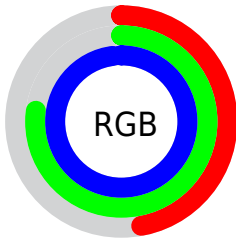
Format	Color
R _Y B	119, 168, 251
Decimal	7849467
CIE Lab	76.57, -9.35, -33.95
CIE LCh	77, 35.211, 254.597
Yxy	50.8195, 0.2313, 0.2613
Android (android.graphics.Color)	4286039547 (0xFF77C5FB)
YUV	179.8340, 35.0848, -53.3514
Hunter-Lab	71.2878, -12.1144, -32.1729

Details

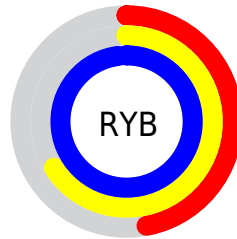
The Yxy color **50.8195, 0.2313, 0.2613** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.7213, 0.4327, 0.3855**, and the grayscale version is **45.3855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5686, 0.2690, 0.3278**, and **24.3807, 0.2115, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **44.7691, 0.2180, 0.2456**, and if you desaturate by 10%, it is **57.6598, 0.2459, 0.2764**.

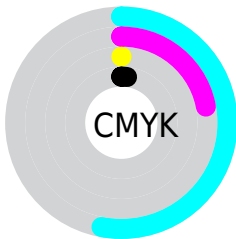
Distribution



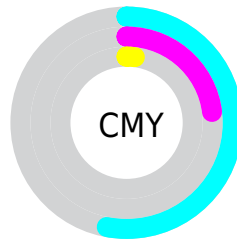
- Red (47%)
- Green (77%)
- Blue (98%)



- Red (47%)
- Yellow (66%)
- Blue (98%)



- Cyan (53%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (53%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8195, 0.2313, 0.2613 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 50.8195, 0.2313, 0.2613 by changing the saturation by 10% instead.

■ 50.8195, 0.2313,
0.2613

■ 50.8195, 0.2313,
0.2613

■ 389.8621, 0.2699,
0.2943

■ 36.0650, 0.2224,
0.2534

■ 91.3879, 0.2448,
0.2730

■ 24.4844, 0.2114,
0.2436

■ 117.9706, 0.2500,
0.2775

■ 15.6933, 0.1975,
0.2310

■ 149.2648, 0.2545,
0.2814

■ 9.3074, 0.1795,
0.2144

■ 185.6549, 0.2584,
0.2847

■ 4.9422, 0.1557,
0.1916

■ 227.5252, 0.2618,
0.2876

■ 2.2134, 0.1233,
0.1595

■ 275.2603, 0.2648,

■ 0.7273, 0.0717,

0.2901

0.1127

329.2445, 0.2675,
0.2923

0.0000, 0.0000,
0.0000

50.8195, 0.2313,
0.2613

50.8195, 0.2313,
0.2613

44.7691, 0.2180,
0.2456

57.6598, 0.2459,
0.2764

39.4591, 0.2063,
0.2295

65.3243, 0.2614,
0.2905

34.8413, 0.1967,
0.2134

73.8512, 0.2772,
0.3036

30.8561, 0.1894,
0.1977

83.2745, 0.2931,
0.3156

28.2445, 0.1851,
0.1864

93.6259, 0.3088,
0.3264

99.7434, 0.3150,
0.3328

Harmonies

Analogous

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



50.8195, 0.2261, 0.2891



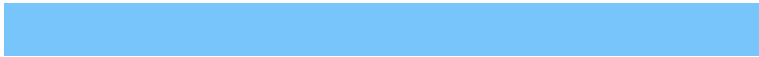
50.8195, 0.2313, 0.2613



50.8195, 0.2563, 0.2525

Triad

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



50.8195, 0.2313, 0.2613



50.8195, 0.3880, 0.3192



50.8195, 0.3220, 0.4104

Complementary

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



50.8195, 0.2313, 0.2613



51.7213, 0.4327, 0.3855

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.



50.8195, 0.3674, 0.4135



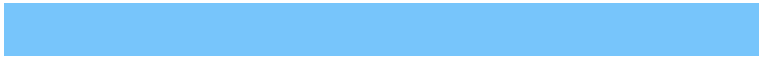
50.8195, 0.2313, 0.2613



50.8195, 0.4078, 0.3574

Square

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



50.8195, 0.2313, 0.2613



50.8195, 0.3463, 0.2852



50.8195, 0.3995, 0.3921



50.8195, 0.2761, 0.3793

Rectangle

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



50.8195, 0.2313, 0.2613



50.8195, 0.2824, 0.2566



50.8195, 0.3995, 0.3921



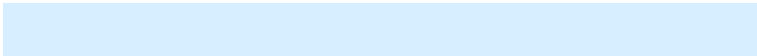
50.8195, 0.3378, 0.4147

Sweetspot

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



50.8214, 0.2313, 0.2613



82.8773, 0.2877, 0.3116



75.8729, 0.2808, 0.4302



17.3061, 0.2844, 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.



50.8214, 0.2313, 0.2613



46.1391, 0.2174, 0.2448



27.4486, 0.2141, 0.1765



18.3484, 0.2980, 0.3191



15.1436, 0.1858, 0.1889



1.6110, 0.1909, 0.2073

Inverse Universe

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



37.7349, 0.3731, 0.2494



33.0146, 0.3911, 0.2370



82.8575, 0.3957, 0.4454



17.3974, 0.3201, 0.3151



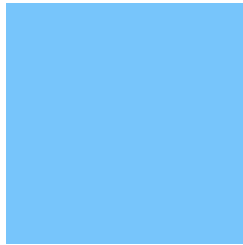
11.9397, 0.4580, 0.2297



1.1269, 0.4371, 0.2181

Previews

White Background



This preview shows how the Yxy color 50.8195, 0.2313, 0.2613 looks on a white background.

Color Contrast Check

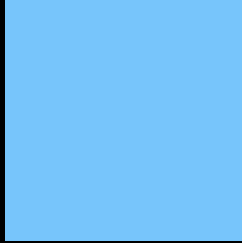
Large Text (above 18pt) WCAG AA × Fail

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 50.8195, 0.2313, 0.2613 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

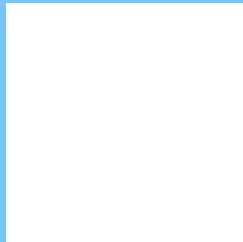
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8195, 0.2313, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 50.8195, 0.2313, 0.2613.



This preview shows how white text looks on a background with the Yxy color 50.8195, 0.2313, 0.2613.

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

50.8195, 0.2313, 0.2613

Protanopia

50.4731, 0.2637, 0.2611

Deuteranopia

50.2887, 0.2546, 0.2482



Tritanopia

51.0145, 0.2428, 0.3072

Trichromacy



Original Color

50.8195, 0.2313, 0.2613

Protanomaly

50.2530, 0.2499, 0.2607

Deuteranomaly

50.0664, 0.2449, 0.2519

Tritanomaly

50.9876, 0.2383, 0.2894

Monochromacy



Original Color

50.8195, 0.2313, 0.2613

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.8431, 0.2764, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8195, 0.2313, 0.2613 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(119, 197, 251)` looks like.

```
.text, #text, p{  
    color:rgb(119, 197, 251)  
}
```

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(119, 197, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 197, 251) }
```

Border

The CSS property to change the border of an element to Yxy 50.8195, 0.2313, 0.2613 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(119, 197, 251) }
```

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

```
.border{ border-color:rgb(119, 197, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 197, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 197, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 197, 251);  
box-shadow:4px 4px 4px 4px rgb(119, 197,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8195, 0.2313, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 197, 251) }
```

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

```
.background{ background-color: rgb(119,  
197, 251) }
```

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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