

Converting Colors

$Yxy(47.8822, 0.2197, 0.2598)$

Have a look what the booklet for
Yxy(47.8822, 0.2197, 0.2598)
contains.

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Color

Yxy(47.8822, 0.2197, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	58C3F8
RGB	88, 195, 248
RGB Percent	35%, 76%, 97%
CMY	0.6545, 0.2353, 0.0274
CMYK	0.64, 0.21, 0.00, 0.03
HSL	200°, 92%, 66%
HSV	200°, 64%, 97%
XYZ	40.4916, 47.8822, 95.9303
YIQ	169.0490, -80.7850, -6.2010

Conversions

Conversions Part 2

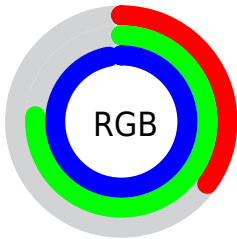
Format	Color
R _Y B	88, 152, 248
Decimal	5817336
CIE Lab	74.75, -14.94, -35.27
CIE LCh	75, 38.301, 247.036
Yxy	47.8822, 0.2197, 0.2598
Android (android.graphics.Color)	4284007416 (0xFF58C3F8)
YUV	169.0490, 38.9228, -71.0800
Hunter-Lab	69.1970, -16.6428, -33.7580

Details

The Yxy color **47.8822, 0.2197, 0.2598** 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 **39.7545, 0.4807, 0.3820**, and the grayscale version is **39.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5162, 0.2565, 0.3255**, and **22.8113, 0.2004, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **43.2864, 0.2096, 0.2470**, and if you desaturate by 10%, it is **53.0960, 0.2316, 0.2724**.

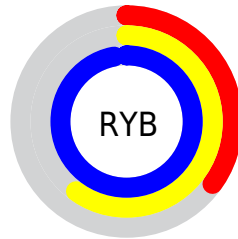
Distribution



Red (35%)

Green (76%)

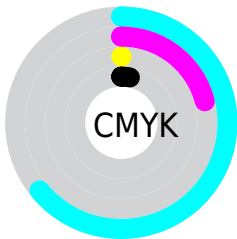
Blue (97%)



Red (35%)

Yellow (60%)

Blue (97%)

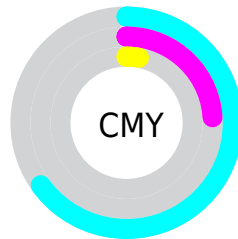


Cyan (64%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (65%)


Magenta (24%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8822, 0.2197, 0.2598 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 47.8822, 0.2197, 0.2598 by changing the saturation by 10% instead.


 47.8822, 0.2197,
0.2598


 47.8822, 0.2197,
0.2598


378.3250, 0.2639,
0.2942

 33.7336, 0.2095,
0.2515


 87.0290, 0.2351,
0.2722


 22.6890, 0.1970,
0.2410


 112.7960, 0.2411,
0.2768

 14.3641, 0.1812,
0.2274


 143.2045, 0.2463,
0.2808

 8.3743, 0.1610,
0.2094

 178.6391, 0.2507,
0.2843

 4.3354, 0.1344,
0.1846

219.4840, 0.2546,
0.2873

 1.8629, 0.0992,
0.1495

266.1237, 0.2581,

 0.5259, 0.0244,

0.2899

0.0949

318.9426, 0.2611,
0.2922

0.0000, 0.0000,
0.0000

47.8822, 0.2197,
0.2598

47.8822, 0.2197,
0.2598

43.2864, 0.2096,
0.2470

53.0960, 0.2316,
0.2724

39.2567, 0.2015,
0.2341

58.9635, 0.2450,
0.2845

35.7379, 0.1956,
0.2215

65.5229, 0.2595,
0.2959

33.9695, 0.1930,
0.2146

72.8073, 0.2747,
0.3066

80.8475, 0.2902,
0.3164

■ 89.6720, 0.3058,
0.3253

■ 98.0122, 0.3169,
0.3334

■ 99.5585, 0.3168,
0.3357

Harmonies

Analogous

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



47.8822, 0.2197, 0.2950



47.8822, 0.2197, 0.2598



47.8822, 0.2417, 0.2453

Triad

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



47.8822, 0.2197, 0.2598



47.8822, 0.3864, 0.3078



47.8822, 0.3357, 0.4239

Complementary

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



47.8822, 0.2197, 0.2598



39.7545, 0.4807, 0.3820

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.



47.8822, 0.3837, 0.4186



47.8822, 0.2197, 0.2598



47.8822, 0.4156, 0.3489

Square

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



47.8822, 0.2197, 0.2598



47.8822, 0.3362, 0.2730



47.8822, 0.4139, 0.3892



47.8822, 0.2839, 0.3966

Rectangle

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



47.8822, 0.2197, 0.2598



47.8822, 0.2674, 0.2469



47.8822, 0.4139, 0.3892



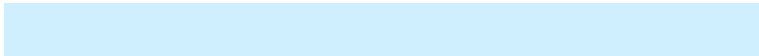
47.8822, 0.3529, 0.4256

Sweetspot

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



47.8839, 0.2197, 0.2598



82.1149, 0.2831, 0.3120



71.0832, 0.2833, 0.4766



17.0559, 0.2787, 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.



47.8839, 0.2197, 0.2598



44.9183, 0.2073, 0.2436



21.6785, 0.1948, 0.1541



18.5818, 0.2980, 0.3209



18.6152, 0.1935, 0.2166



1.9185, 0.1977, 0.2316

Inverse Universe

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



30.8957, 0.3778, 0.2242



28.0650, 0.3961, 0.2135



71.1737, 0.4202, 0.4550



17.4210, 0.3189, 0.3133



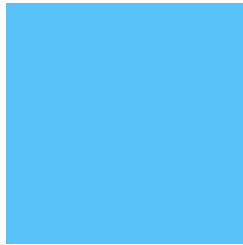
12.2901, 0.4269, 0.2125



1.1579, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 47.8822, 0.2197, 0.2598 looks on a white background.

Color Contrast Check

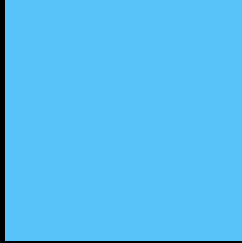
Large Text (above 18pt) WCAG AA × Fail

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 47.8822, 0.2197, 0.2598 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

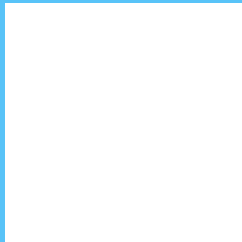
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8822, 0.2197, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 47.8822, 0.2197, 0.2598.



This preview shows how white text looks on a background with the Yxy color 47.8822, 0.2197, 0.2598.

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

47.8822, 0.2197, 0.2598

Protanopia

47.4870, 0.2632, 0.2606

Deuteranopia

47.1846, 0.2504, 0.2439



Tritanopia

48.1608, 0.2294, 0.3062

Trichromacy



Original Color

47.8822, 0.2197, 0.2598

Protanomaly

46.9577, 0.2436, 0.2594

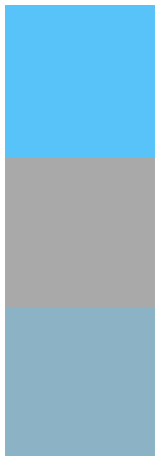
Deuteranomaly

46.6684, 0.2361, 0.2480

Tritanomaly

48.0680, 0.2259, 0.2890

Monochromacy



Original Color

47.8822, 0.2197, 0.2598

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.4935, 0.2678, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8822, 0.2197, 0.2598 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(88, 195, 248)` looks like.

```
.text, #text, p{  
    color:rgb(88, 195, 248)  
}
```

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(88, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 195, 248) }
```

Border

The CSS property to change the border of an element to Yxy 47.8822, 0.2197, 0.2598 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(88, 195, 248) }
```

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

```
.border{ border-color:rgb(88, 195, 248) }
```

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

Here you see how a box with a 4 pixel rgb(88, 195, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 195, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 195, 248);  
box-shadow:4px 4px 4px 4px rgb(88, 195,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8822, 0.2197, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 195, 248) }
```

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

```
.background{ background-color: rgb(88, 195,  
248) }
```

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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