

Converting Colors

Yxy(38.4612, 0.2171, 0.2424)

Have a look what the booklet for
Yxy(38.4612, 0.2171, 0.2424)
contains.

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Color

Yxy(38.4612, 0.2171, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	58AEED
RGB	88, 174, 237
RGB Percent	35%, 68%, 93%
CMY	0.6551, 0.3176, 0.0704
CMYK	0.63, 0.27, 0.00, 0.07
HSL	205°, 81%, 64%
HSV	205°, 63%, 93%
XYZ	34.4469, 38.4612, 85.7602
YIQ	155.4680, -71.4790, 1.3610

Conversions

Conversions Part 2

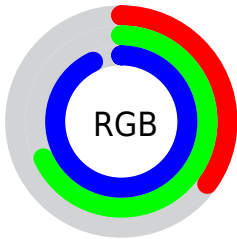
Format	Color
R _Y B	88, 143, 237
Decimal	5811949
CIE Lab	68.36, -7.13, -39.26
CIE LCh	68, 39.898, 259.702
Yxy	38.4612, 0.2171, 0.2424
Android (android.graphics.Color)	4284002029 (0xFF58AEED)
YUV	155.4680, 40.1953, -59.1694
Hunter-Lab	62.0171, -9.3835, -38.5771

Details

The Yxy color **38.4612, 0.2171, 0.2424** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.8429, 0.4628, 0.3958**, and the grayscale version is **32.8339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7427, 0.2513, 0.2989**, and **17.2553, 0.1942, 0.2190** is the 20% darker color. If you saturate the color by 10%, you get **33.7594, 0.2053, 0.2258**, and if you desaturate by 10%, it is **43.8304, 0.2306, 0.2586**.

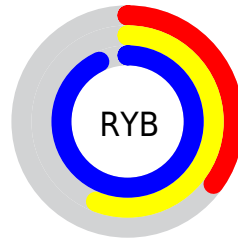
Distribution



Red (35%)

Green (68%)

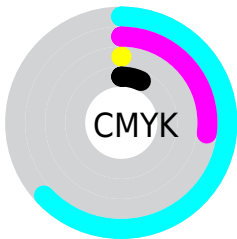
Blue (93%)



Red (35%)

Yellow (56%)

Blue (93%)

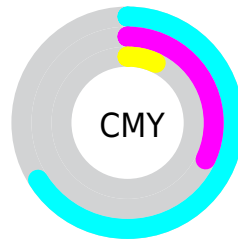


Cyan (63%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (66%)

Magenta (32%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4612, 0.2171, 0.2424 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 38.4612, 0.2171, 0.2424 by changing the saturation by 10% instead.

■ 38.4612, 0.2171,
0.2424

■ 38.4612, 0.2171,
0.2424

■ 339.5943, 0.2641,
0.2859

■ 26.3408, 0.2059,
0.2318

■ 72.8145, 0.2338,
0.2581

■ 17.0788, 0.1919,
0.2183

■ 95.8162, 0.2402,
0.2641

■ 10.2907, 0.1741,
0.2010

■ 123.2138, 0.2457,
0.2691

■ 5.5921, 0.1509,
0.1779

■ 155.3917, 0.2504,
0.2734

■ 2.5987, 0.1201,
0.1465

■ 192.7343, 0.2545,
0.2772

■ 0.9260, 0.0790,
0.1037

■ 235.6260, 0.2581,

■ 0.0000, 0.0000,

0.2805

0.0000

284.4512, 0.2613,
0.2834

■ 38.4612, 0.2171,
0.2424

■ 38.4612, 0.2171,
0.2424

■ 33.7594, 0.2053,
0.2258

■ 43.8304, 0.2306,
0.2586

■ 29.6768, 0.1956,
0.2092

■ 49.9021, 0.2453,
0.2742

■ 26.1622, 0.1881,
0.1931


■ 56.7127, 0.2608,
0.2889


■ 23.9575, 0.1839,
0.1819


■ 64.2947, 0.2767,
0.3024

■ 72.6781, 0.2927,
0.3148

 81.8912, 0.3083,
0.3260

 91.9605, 0.3234,
0.3360

 98.3750, 0.3233,
0.3455

 98.8969, 0.3232,
0.3463

Harmonies

Analogous

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



38.4612, 0.2067, 0.2712



38.4612, 0.2171, 0.2424



38.4612, 0.2506, 0.2365

Triad

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



38.4612, 0.2171, 0.2424



38.4612, 0.4131, 0.3236



38.4612, 0.3129, 0.4278

Complementary

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



38.4612, 0.2171, 0.2424



40.8429, 0.4628, 0.3958

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.



38.4612, 0.3702, 0.4361



38.4612, 0.2171, 0.2424



38.4612, 0.4315, 0.3696

Square

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



38.4612, 0.2171, 0.2424



38.4612, 0.3642, 0.2817



38.4612, 0.4144, 0.4113



38.4612, 0.2584, 0.3830

Rectangle

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



38.4612, 0.2171, 0.2424



38.4612, 0.2842, 0.2440



38.4612, 0.4144, 0.4113



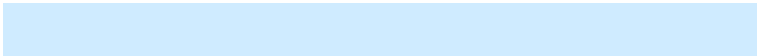
38.4612, 0.3324, 0.4350

Sweetspot

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



38.4625, 0.2171, 0.2424



79.5603, 0.2828, 0.3073



64.8688, 0.2766, 0.4505



16.4364, 0.2783, 0.3037



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.



38.4625, 0.2171, 0.2424



38.6280, 0.2028, 0.2218



17.3742, 0.1935, 0.1407



15.9930, 0.2981, 0.3188



13.3404, 0.1846, 0.1845



1.2374, 0.1907, 0.2064

Inverse Universe

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



28.0382, 0.3933, 0.2394



27.9601, 0.4173, 0.2301



72.3590, 0.4079, 0.4647



15.1998, 0.3203, 0.3155



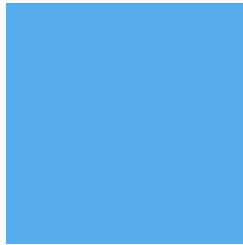
10.8395, 0.4632, 0.2325



0.8703, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 38.4612, 0.2171, 0.2424 looks on a white background.

Color Contrast Check

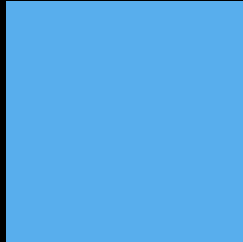
Large Text (above 18pt) WCAG AA × Fail

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 38.4612, 0.2171, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

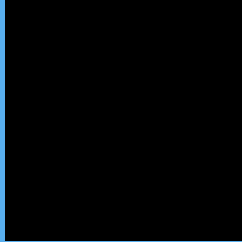
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

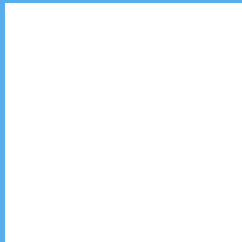
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4612, 0.2171, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 38.4612, 0.2171, 0.2424.



This preview shows how white text looks on a background with the Yxy color 38.4612, 0.2171, 0.2424.

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

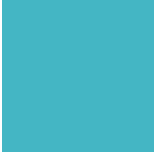
38.4612, 0.2171, 0.2424

Protanopia

37.9625, 0.2499, 0.2426

Deuteranopia

38.1013, 0.2385, 0.2320



Tritanopia

38.6704, 0.2309, 0.3071

Trichromacy



Original Color

38.4612, 0.2171, 0.2424

Protanomaly

37.8236, 0.2356, 0.2419

Deuteranomaly

38.1002, 0.2295, 0.2360

Tritanomaly

38.4392, 0.2253, 0.2813

Monochromacy



Original Color

38.4612, 0.2171, 0.2424

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1687, 0.2674, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4612, 0.2171, 0.2424 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, 174, 237)` looks like.

```
.text, #text, p{  
    color:rgb(88, 174, 237)  
}
```

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, 174, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 174, 237) }
```

Border

The CSS property to change the border of an element to Yxy 38.4612, 0.2171, 0.2424 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, 174, 237) }
```

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

```
.border{ border-color:rgb(88, 174, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 174, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 174, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 174, 237);  
box-shadow:4px 4px 4px 4px rgb(88, 174,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4612, 0.2171, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 174, 237) }
```

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

```
.background{ background-color: rgb(88, 174,  
237) }
```

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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