

Converting Colors

$Yxy(39.0524, 0.2128, 0.2376)$

Have a look what the booklet for
Yxy(39.0524, 0.2128, 0.2376)
contains.

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Color

Yxy(38.8803, 0.2125, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	51AFF3
RGB	81, 175, 243
RGB Percent	32%, 69%, 95%
CMY	0.6822, 0.3137, 0.0470
CMYK	0.67, 0.28, 0.00, 0.05
HSL	205°, 87%, 64%
HSV	205°, 67%, 95%
XYZ	34.9052, 38.8803, 90.4743
YIQ	154.6460, -77.8520, 1.2200

Conversions

Conversions Part 2

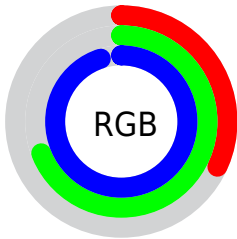
Format	Color
R _Y B	81, 140, 243
Decimal	5353459
CIE Lab	68.66, -6.87, -42.05
CIE LCh	69, 42.611, 260.716
Yxy	38.8803, 0.2125, 0.2367
Android (android.graphics.Color)	4283543539 (0xFF51AFF3)
YUV	154.6460, 43.5585, -64.5875
Hunter-Lab	62.3541, -9.1970, -42.3806

Details

The Yxy color **38.8803, 0.2125, 0.2367** 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 **41.1683, 0.4754, 0.3977**, and the grayscale version is **32.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8334, 0.2492, 0.2999**, and **17.7111, 0.1928, 0.2142** is the 20% darker color. If you saturate the color by 10%, you get **34.1690, 0.2015, 0.2202**, and if you desaturate by 10%, it is **44.2786, 0.2254, 0.2530**.

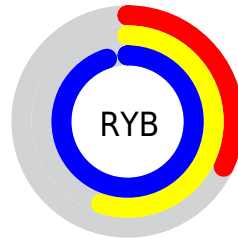
Distribution



Red (32%)

Green (69%)

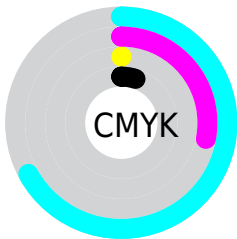
Blue (95%)



Red (32%)

Yellow (55%)

Blue (95%)

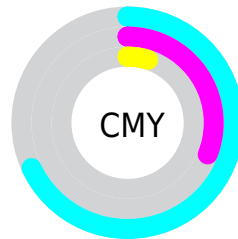


Cyan (67%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (68%)


Magenta (31%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8803, 0.2125, 0.2367 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 38.8803, 0.2125, 0.2367 by changing the saturation by 10% instead.


 38.8803, 0.2125,
0.2367

 38.8803, 0.2125,
0.2367


341.3813, 0.2615,
0.2828


 26.6666, 0.2009,
0.2256


 73.4554, 0.2299,
0.2532

 17.3230, 0.1866,
0.2116


 96.5857, 0.2365,
0.2595

 10.4651, 0.1684,
0.1937


 124.1235, 0.2422,
0.2649

 5.7084, 0.1450,
0.1702

 156.4534, 0.2471,
0.2695

 2.6686, 0.1145,
0.1387

193.9598, 0.2514,
0.2734

 0.9613, 0.0748,
0.0967

237.0269, 0.2552,

 0.0000, 0.0000,

0.2769

0.0000

286.0393, 0.2585,
0.2800

■ 38.8803, 0.2125,
0.2367

■ 38.8803, 0.2125,
0.2367

■ 34.1690, 0.2015,
0.2202

■ 44.2786, 0.2254,
0.2530

■ 30.0909, 0.1926,
0.2038

■ 50.4030, 0.2397,
0.2688

■ 26.5861, 0.1860,
0.1879

■ 57.2935, 0.2549,
0.2837

■ 25.5110, 0.1841,
0.1828

■ 64.9856, 0.2707,
0.2976

■ 73.5118, 0.2867,
0.3104

■ 82.9028, 0.3024,
0.3220

■ 93.1873, 0.3178,
0.3323

■ 99.2523, 0.3197,
0.3405

Harmonies

Analogous

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



38.8803, 0.2007, 0.2659



38.8803, 0.2125, 0.2367



38.8803, 0.2484, 0.2315

Triad

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



38.8803, 0.2125, 0.2367



38.8803, 0.4208, 0.3244



38.8803, 0.3103, 0.4338

Complementary

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



38.8803, 0.2125, 0.2367



41.1683, 0.4754, 0.3977

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.



38.8803, 0.3713, 0.4433



38.8803, 0.2125, 0.2367



38.8803, 0.4389, 0.3728

Square

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



38.8803, 0.2125, 0.2367



38.8803, 0.3695, 0.2802



38.8803, 0.4192, 0.4170



38.8803, 0.2532, 0.3846

Rectangle

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



38.8803, 0.2125, 0.2367



38.8803, 0.2842, 0.2399



38.8803, 0.4192, 0.4170



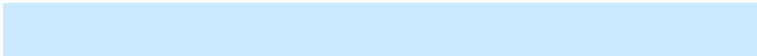
38.8803, 0.3311, 0.4418

Sweetspot

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



38.8816, 0.2125, 0.2367



78.6654, 0.2813, 0.3062



68.0195, 0.2758, 0.4594



16.2629, 0.2768, 0.3026



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.



38.8816, 0.2125, 0.2367



36.4223, 0.1981, 0.2143



16.3248, 0.1865, 0.1289



17.5235, 0.2980, 0.3188



14.2714, 0.1848, 0.1852



1.4573, 0.1903, 0.2050

Inverse Universe

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



28.0441, 0.3999, 0.2354



26.5046, 0.4265, 0.2279



75.9809, 0.4124, 0.4703



16.6437, 0.3203, 0.3154



11.5401, 0.4623, 0.2321



1.0348, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 38.8803, 0.2125, 0.2367 looks on a white background.

Color Contrast Check

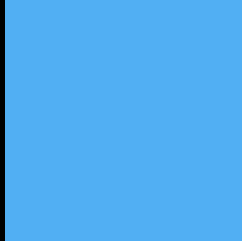
Large Text (above 18pt) WCAG AA × Fail

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 38.8803, 0.2125, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

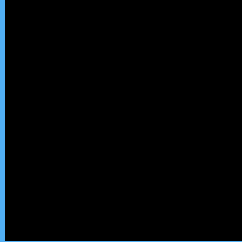
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

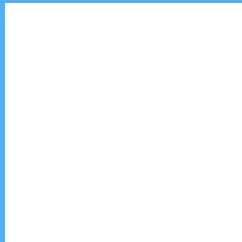
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8803, 0.2125, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 38.8803, 0.2125, 0.2367.

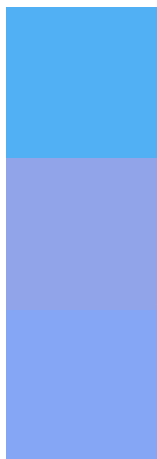


This preview shows how white text looks on a background with the Yxy color 38.8803, 0.2125, 0.2367.

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

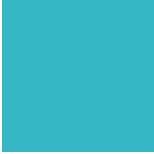
38.8803, 0.2125, 0.2367

Protanopia

38.5112, 0.2465, 0.2385

Deuteranopia

38.4894, 0.2332, 0.2266



Tritanopia

38.7285, 0.2260, 0.3055

Trichromacy



Original Color

38.8803, 0.2125, 0.2367

Protanomaly

38.2573, 0.2316, 0.2375

Deuteranomaly

38.4850, 0.2243, 0.2305

Tritanomaly

38.5875, 0.2206, 0.2784

Monochromacy



Original Color

38.8803, 0.2125, 0.2367

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0177, 0.2637, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8803, 0.2125, 0.2367 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(81, 175, 243)` looks like.

```
.text, #text, p{  
    color:rgb(81, 175, 243)  
}
```

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(81, 175, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 175, 243) }
```

Border

The CSS property to change the border of an element to Yxy 38.8803, 0.2125, 0.2367 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(81, 175, 243) }
```

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

```
.border{ border-color:rgb(81, 175, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 175, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 175, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 175, 243);  
box-shadow:4px 4px 4px 4px rgb(81, 175,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8803, 0.2125, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 175, 243) }
```

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

```
.background{ background-color: rgb(81, 175,  
243) }
```

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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