

Converting Colors

$Yxy(39.0645, 0.2114, 0.2335)$

Have a look what the booklet for
Yxy(39.0645, 0.2114, 0.2335)
contains.

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Color

Yxy(39.0631, 0.2114, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	51AFF6
RGB	81, 175, 246
RGB Percent	32%, 69%, 96%
CMY	0.6818, 0.3138, 0.0353
CMYK	0.67, 0.29, 0.00, 0.04
HSL	206°, 90%, 64%
HSV	206°, 67%, 96%
XYZ	35.3659, 39.0631, 92.8648
YIQ	154.9880, -78.8150, 2.1530

Conversions

Conversions Part 2

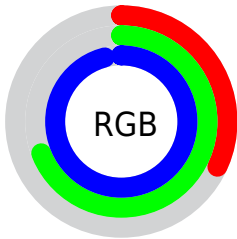
Format	Color
R _Y B	81, 141, 246
Decimal	5353462
CIE Lab	68.80, -5.88, -43.47
CIE LCh	69, 43.862, 262.300
Yxy	39.0631, 0.2114, 0.2335
Android (android.graphics.Color)	4283543542 (0xFF51AFF6)
YUV	154.9880, 44.8689, -64.8875
Hunter-Lab	62.5005, -8.3716, -44.3442

Details

The Yxy color **39.0631, 0.2114, 0.2335** 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 **42.6941, 0.4751, 0.3997**, and the grayscale version is **32.6123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9246, 0.2496, 0.2999**, and **17.8400, 0.1918, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **34.2015, 0.2003, 0.2165**, and if you desaturate by 10%, it is **44.6447, 0.2244, 0.2503**.

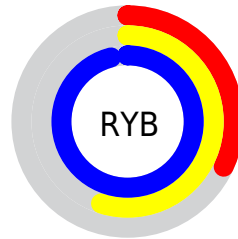
Distribution



Red (32%)

Green (69%)

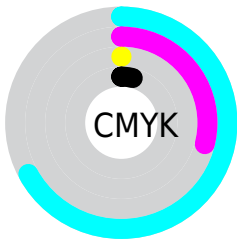
Blue (96%)



Red (32%)

Yellow (55%)

Blue (96%)

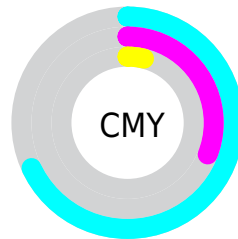


Cyan (67%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (68%)


Magenta (31%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0631, 0.2114, 0.2335 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 39.0631, 0.2114, 0.2335 by changing the saturation by 10% instead.


 39.0631, 0.2114,
0.2335


 39.0631, 0.2114,
0.2335


342.1587, 0.2608,
0.2809


 26.8088, 0.1998,
0.2221


 73.7347, 0.2289,
0.2505


 17.4297, 0.1854,
0.2079

 96.9208, 0.2356,
0.2569

 10.5413, 0.1672,
0.1897


 124.5197, 0.2413,
0.2624

 5.7593, 0.1439,
0.1661

 156.9156, 0.2463,
0.2672

 2.6993, 0.1135,
0.1346

194.4931, 0.2506,
0.2713

 0.9768, 0.0746,
0.0932

237.6365, 0.2544,

 0.0000, 0.0000,

0.2749

0.0000

286.7303, 0.2578,
0.2781

■ 39.0631, 0.2114,
0.2335

■ 39.0631, 0.2114,
0.2335

■ 34.2015, 0.2003,
0.2165

■ 44.6447, 0.2244,
0.2503

■ 30.0037, 0.1914,
0.1997

■ 50.9875, 0.2388,
0.2666

■ 26.4061, 0.1847,
0.1835

■ 58.1335, 0.2541,
0.2820

■ 25.4216, 0.1830,
0.1788

■ 66.1196, 0.2700,
0.2963

■ 74.9801, 0.2860,
0.3095

84.7470, 0.3019,
0.3214

95.4506, 0.3172,
0.3321

99.4339, 0.3179,
0.3376

Harmonies

Analogous

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



39.0631, 0.1980, 0.2618



39.0631, 0.2114, 0.2335



39.0631, 0.2493, 0.2295

Triad

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



39.0631, 0.2114, 0.2335



39.0631, 0.4258, 0.3267



39.0631, 0.3067, 0.4353

Complementary

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



39.0631, 0.2114, 0.2335



42.6941, 0.4751, 0.3997

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.



39.0631, 0.3694, 0.4470



39.0631, 0.2114, 0.2335



39.0631, 0.4422, 0.3762

Square

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



39.0631, 0.2114, 0.2335



39.0631, 0.3743, 0.2811



39.0631, 0.4198, 0.4211



39.0631, 0.2488, 0.3827

Rectangle

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



39.0631, 0.2114, 0.2335



39.0631, 0.2866, 0.2389



39.0631, 0.4198, 0.4211



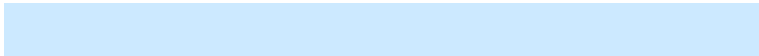
39.0631, 0.3279, 0.4442

Sweetspot

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



39.0644, 0.2114, 0.2335



78.3536, 0.2812, 0.3056



69.8641, 0.2757, 0.4603



16.1881, 0.2767, 0.3019



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.



39.0644, 0.2114, 0.2335



35.6089, 0.1973, 0.2112



16.5711, 0.1858, 0.1277



17.4927, 0.2980, 0.3186



13.8531, 0.1837, 0.1814



1.4215, 0.1893, 0.2016

Inverse Universe

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



28.5928, 0.4031, 0.2367



26.4225, 0.4298, 0.2299



78.0502, 0.4128, 0.4709



16.6406, 0.3204, 0.3156



11.4979, 0.4668, 0.2345



1.0311, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 39.0631, 0.2114, 0.2335 looks on a white background.

Color Contrast Check

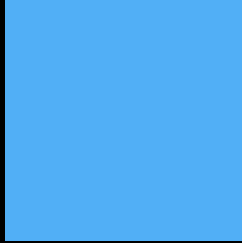
Large Text (above 18pt) WCAG AA × Fail

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 39.0631, 0.2114, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

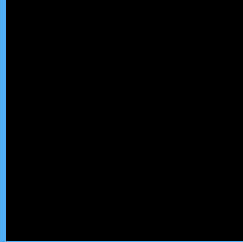
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

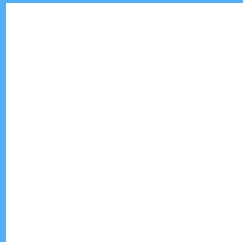
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0631, 0.2114, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 39.0631, 0.2114, 0.2335.



This preview shows how white text looks on a background with the Yxy color 39.0631, 0.2114, 0.2335.

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

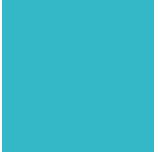
39.0631, 0.2114, 0.2335

Protanopia

38.5946, 0.2441, 0.2352

Deuteranopia

38.8750, 0.2308, 0.2247



Tritanopia

39.1346, 0.2254, 0.3056

Trichromacy



Original Color

39.0631, 0.2114, 0.2335

Protanomaly

38.3615, 0.2296, 0.2341

Deuteranomaly

38.6020, 0.2225, 0.2273

Tritanomaly

39.0624, 0.2198, 0.2772

Monochromacy



Original Color

39.0631, 0.2114, 0.2335

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0607, 0.2630, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0631, 0.2114, 0.2335 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(81, 175, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 175, 246) }
```

Border

The CSS property to change the border of an element to Yxy 39.0631, 0.2114, 0.2335 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, 246) }
```

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

```
.border{ border-color:rgb(81, 175, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 175, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 175, 246);  
box-shadow:4px 4px 4px 4px rgb(81, 175,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0631, 0.2114, 0.2335 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, 246) }
```

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

```
.background{ background-color: rgb(81, 175,  
246) }
```

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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