

Converting Colors

$Yxy(39.8499, 0.2181, 0.2447)$

Have a look what the booklet for
Yxy(39.8499, 0.2181, 0.2447)
contains.

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Color

Yxy(39.8499, 0.2181, 0.2447)

Conversions

Conversions Part 1

Format	Color
Hex	5AB1EF
RGB	90, 177, 239
RGB Percent	35%, 69%, 94%
CMY	0.6471, 0.3059, 0.0627
CMYK	0.62, 0.26, 0.00, 0.06
HSL	205°, 82%, 65%
HSV	205°, 62%, 94%
XYZ	35.5180, 39.8499, 87.4841
YIQ	158.0550, -71.7540, 0.8380

Conversions

Conversions Part 2

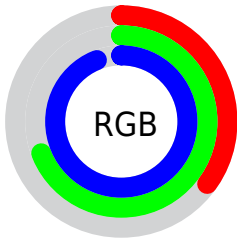
Format	Color
R _Y B	90, 145, 239
Decimal	5943791
CIE Lab	69.36, -7.80, -38.75
CIE LCh	69, 39.532, 258.620
Yxy	39.8499, 0.2181, 0.2447
Android (android.graphics.Color)	4284133871 (0xFF5AB1EF)
YUV	158.0550, 39.9059, -59.6842
Hunter-Lab	63.1268, -10.0395, -37.9782

Details

The Yxy color **39.8499, 0.2181, 0.2447** 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 **41.5448, 0.4620, 0.3944**, and the grayscale version is **34.0585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1732, 0.2530, 0.3037**, and **18.0861, 0.1950, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **35.0528, 0.2063, 0.2284**, and if you desaturate by 10%, it is **45.3213, 0.2316, 0.2607**.

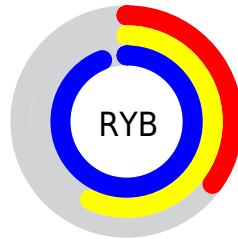
Distribution



Red (35%)

Green (69%)

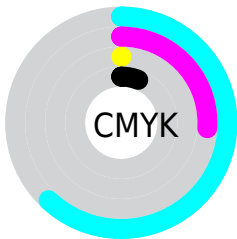
Blue (94%)



Red (35%)

Yellow (57%)

Blue (94%)

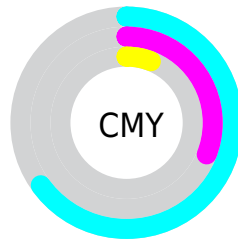


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (65%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8499, 0.2181, 0.2447 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 39.8499, 0.2181, 0.2447 by changing the saturation by 10% instead.

■ 39.8499, 0.2181,
0.2447

■ 39.8499, 0.2181,
0.2447

■ 345.4905, 0.2644,
0.2870

■ 27.4215, 0.2071,
0.2344

■ 74.9349, 0.2345,
0.2599

■ 17.8901, 0.1934,
0.2214

■ 98.3603, 0.2408,
0.2657

■ 10.8711, 0.1760,
0.2046

■ 126.2202, 0.2462,
0.2706

■ 5.9802, 0.1534,
0.1824

■ 158.8989, 0.2508,
0.2748

■ 2.8331, 0.1235,
0.1521

■ 196.7810, 0.2549,
0.2784

■ 1.0452, 0.0839,
0.1103

■ 240.2506, 0.2584,

■ 0.0000, 0.0000,

0.2816

0.0000

289.6924, 0.2616,
0.2845

■ 39.8499, 0.2181,
0.2447

■ 39.8499, 0.2181,
0.2447

■ 35.0528, 0.2063,
0.2284

■ 45.3213, 0.2316,
0.2607

■ 30.8812, 0.1965,
0.2121

■ 51.5020, 0.2463,
0.2759


■ 27.2839, 0.1890,
0.1961

■ 58.4288, 0.2618,
0.2903


■ 24.8595, 0.1845,
0.1843

■ 66.1345, 0.2776,
0.3036

■ 74.6491, 0.2935,
0.3157

 84.0013, 0.3091,
0.3266

 93.7794, 0.3227,
0.3364

 99.0123, 0.3220,
0.3444

Harmonies

Analogous

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



39.8499, 0.2087, 0.2739



39.8499, 0.2181, 0.2447



39.8499, 0.2503, 0.2380

Triad

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



39.8499, 0.2181, 0.2447



39.8499, 0.4097, 0.3222



39.8499, 0.3151, 0.4266

Complementary

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



39.8499, 0.2181, 0.2447



41.5448, 0.4620, 0.3944

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.



39.8499, 0.3710, 0.4335



39.8499, 0.2181, 0.2447



39.8499, 0.4290, 0.3674

Square

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



39.8499, 0.2181, 0.2447



39.8499, 0.3611, 0.2813



39.8499, 0.4136, 0.4086



39.8499, 0.2613, 0.3838

Rectangle

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



39.8499, 0.2181, 0.2447



39.8499, 0.2828, 0.2449



39.8499, 0.4136, 0.4086



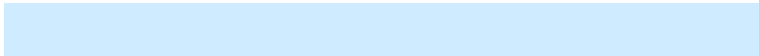
39.8499, 0.3343, 0.4331

Sweetspot

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



39.8513, 0.2181, 0.2447



79.7461, 0.2829, 0.3077



66.0983, 0.2779, 0.4529



16.4814, 0.2783, 0.3041



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.



39.8513, 0.2181, 0.2447



39.1265, 0.2032, 0.2236



18.4876, 0.1952, 0.1453



16.7624, 0.2980, 0.3189



14.0024, 0.1852, 0.1867



1.3608, 0.1909, 0.2073

Inverse Universe

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



28.8374, 0.3910, 0.2389



28.0105, 0.4155, 0.2289



72.4568, 0.4088, 0.4619



15.9137, 0.3202, 0.3153



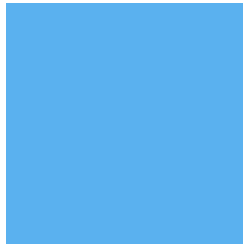
11.2069, 0.4606, 0.2311



0.9521, 0.4371, 0.2182

Previews

White Background



This preview shows how the Yxy color 39.8499, 0.2181, 0.2447 looks on a white background.

Color Contrast Check

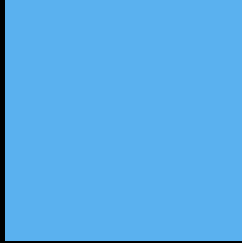
Large Text (above 18pt) WCAG AA × Fail

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 39.8499, 0.2181, 0.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

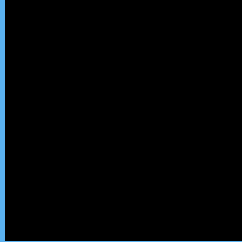
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

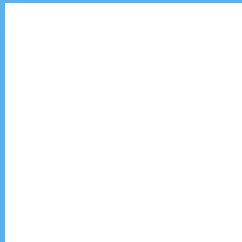
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8499, 0.2181, 0.2447

Background



This preview shows how black text looks on a background with the Yxy color 39.8499, 0.2181, 0.2447.



This preview shows how white text looks on a background with the Yxy color 39.8499, 0.2181, 0.2447.

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

39.8499, 0.2181, 0.2447

Protanopia

39.3752, 0.2519, 0.2461

Deuteranopia

39.5638, 0.2400, 0.2344



Tritanopia

39.7441, 0.2313, 0.3059

Trichromacy



Original Color

39.8499, 0.2181, 0.2447

Protanomaly

39.2218, 0.2376, 0.2453

Deuteranomaly

39.5547, 0.2309, 0.2384

Tritanomaly

39.5225, 0.2257, 0.2805

Monochromacy



Original Color

39.8499, 0.2181, 0.2447

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.4847, 0.2680, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8499, 0.2181, 0.2447 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(90, 177, 239)` looks like.

```
.text, #text, p{  
    color:rgb(90, 177, 239)  
}
```

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(90, 177, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 177, 239) }
```

Border

The CSS property to change the border of an element to Yxy 39.8499, 0.2181, 0.2447 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(90, 177, 239) }
```

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

```
.border{ border-color:rgb(90, 177, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 177, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 177, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 177, 239);  
box-shadow:4px 4px 4px 4px rgb(90, 177,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8499, 0.2181, 0.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 177, 239) }
```

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

```
.background{ background-color: rgb(90, 177,  
239) }
```

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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