

# Converting Colors

$Yxy(39.6518, 0.2132, 0.2367)$

Have a look what the booklet for  
Yxy(39.6518, 0.2132, 0.2367)  
contains.

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# Color

**Yxy(39.5281, 0.2131, 0.2362)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	54B0F5
RGB	84, 176, 245
RGB Percent	33%, 69%, 96%
CMY	0.6708, 0.3098, 0.0391
CMYK	0.66, 0.28, 0.00, 0.04
HSL	206°, 89%, 65%
HSV	206°, 66%, 96%
XYZ	35.6623, 39.5281, 92.1597
YIQ	156.3580, -76.9810, 1.9550

# Conversions

## Conversions Part 2

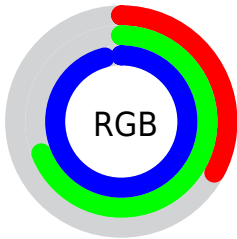
Format	Color
R <sub>YB</sub>	84, 143, 245
Decimal	5550325
CIE Lab	69.13, -6.32, -42.41
CIE LCh	69, 42.875, 261.524
Yxy	39.5281, 0.2131, 0.2362
Android (android.graphics.Color)	4283740405 (0xFF54B0F5)
YUV	156.3580, 43.7005, -63.4580
Hunter-Lab	62.8714, -8.7750, -42.9000

# Details

The Yxy color **39.5281, 0.2131, 0.2362** 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 **42.8302, 0.4714, 0.3986**, and the grayscale version is **33.2359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6677, 0.2507, 0.3012**, and **18.0461, 0.1926, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **34.6309, 0.2018, 0.2193**, and if you desaturate by 10%, it is **45.1417, 0.2262, 0.2529**.

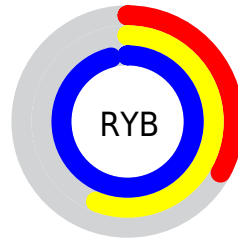
# Distribution



Red (33%)

Green (69%)

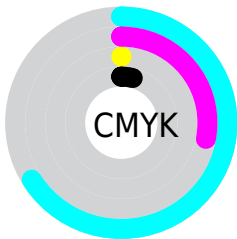
Blue (96%)



Red (33%)

Yellow (56%)

Blue (96%)

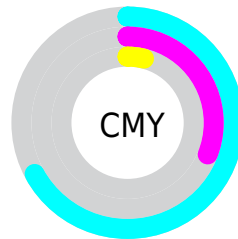


Cyan (66%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (67%)

Magenta (31%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5281, 0.2131, 0.2362 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 39.5281, 0.2131, 0.2362 by changing the saturation by 10% instead.





 39.5281, 0.2131,  
0.2362


 39.5281, 0.2131,  
0.2362


344.1306, 0.2617,  
0.2823


 27.1708, 0.2017,  
0.2251


 74.4444, 0.2303,  
0.2527


 17.7015, 0.1875,  
0.2112


 97.7722, 0.2369,  
0.2590

 10.7359, 0.1696,  
0.1934


 125.5256, 0.2425,  
0.2644

 5.8896, 0.1465,  
0.1702

 158.0890, 0.2474,  
0.2690

 2.7780, 0.1164,  
0.1391

195.8468, 0.2517,  
0.2730

 1.0170, 0.0775,  
0.0978

239.1834, 0.2554,

 0.0000, 0.0000,

0.2765

0.0000

288.4832, 0.2587,  
0.2796

■ 39.5281, 0.2131,  
0.2362

■ 39.5281, 0.2131,  
0.2362

■ 34.6309, 0.2018,  
0.2193

■ 45.1417, 0.2262,  
0.2529

■ 30.3954, 0.1926,  
0.2026

■ 51.5116, 0.2408,  
0.2689

■ 26.7620, 0.1857,  
0.1864

■ 58.6787, 0.2562,  
0.2841

■ 25.3605, 0.1832,  
0.1796

■ 66.6791, 0.2721,  
0.2982

■ 75.5465, 0.2881,  
0.3111

■ 85.3121, 0.3039,  
0.3228

■ 95.9169, 0.3189,  
0.3333

■ 99.3744, 0.3185,  
0.3386

# Harmonies

## Analogous

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



39.5281, 0.2006, 0.2647



39.5281, 0.2131, 0.2362



39.5281, 0.2497, 0.2316

# Triad

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



39.5281, 0.2131, 0.2362



39.5281, 0.4219, 0.3257



39.5281, 0.3087, 0.4330

# Complementary

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



39.5281, 0.2131, 0.2362



42.8302, 0.4714, 0.3986

# 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.



39.5281, 0.3698, 0.4437



39.5281, 0.2131, 0.2362



39.5281, 0.4389, 0.3741

# Square

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



39.5281, 0.2131, 0.2362



39.5281, 0.3712, 0.2813



39.5281, 0.4183, 0.4181



39.5281, 0.2518, 0.3829



# Rectangle

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



39.5281, 0.2131, 0.2362



39.5281, 0.2858, 0.2404



39.5281, 0.4183, 0.4181



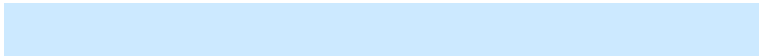
39.5281, 0.3294, 0.4414

# Sweetspot

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



39.5295, 0.2131, 0.2362



78.4181, 0.2812, 0.3057



69.4419, 0.2760, 0.4573



16.2036, 0.2767, 0.3021



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.



39.5295, 0.2131, 0.2362



36.2482, 0.1984, 0.2135



17.0946, 0.1881, 0.1315



17.4991, 0.2980, 0.3186



13.9390, 0.1840, 0.1822



1.4289, 0.1895, 0.2023



# Inverse Universe

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



28.8850, 0.4001, 0.2375



26.7091, 0.4271, 0.2297



77.5492, 0.4114, 0.4691



16.6413, 0.3204, 0.3156



11.5065, 0.4659, 0.2340



1.0319, 0.4427, 0.2212



# Previews

## White Background



This preview shows how the Yxy color 39.5281, 0.2131, 0.2362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

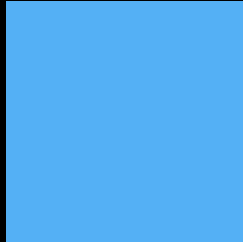
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5281, 0.2131, 0.2362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

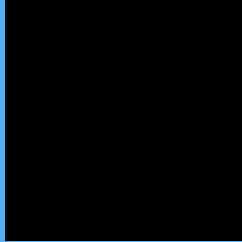
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

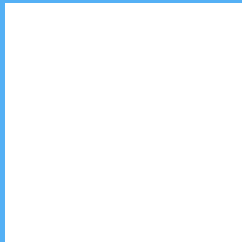
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.5281, 0.2131, 0.2362**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5281, 0.2131, 0.2362.



This preview shows how white text looks on a background with the Yxy color 39.5281, 0.2131, 0.2362.

# 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

39.5281, 0.2131, 0.2362

### Protanopia

39.0774, 0.2462, 0.2378

### Deuteranopia

39.4212, 0.2333, 0.2274



## Tritanopia

39.7676, 0.2270, 0.3058

# Trichromacy



**Original Color**

39.5281, 0.2131, 0.2362

**Protanomaly**

38.8189, 0.2314, 0.2368

**Deuteranomaly**

39.1163, 0.2247, 0.2300

**Tritanomaly**

39.6071, 0.2214, 0.2789

# Monochromacy



**Original Color**

39.5281, 0.2131, 0.2362

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

34.5711, 0.2647, 0.2916

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5281, 0.2131, 0.2362 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(84, 176, 245)` looks like.

```
.text, #text, p{  
    color:rgb(84, 176, 245)  
}
```

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(84, 176, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 176, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5281, 0.2131, 0.2362 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(84, 176, 245) }
```

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

```
.border{ border-color:rgb(84, 176, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 176, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 176, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 176, 245);  
box-shadow:4px 4px 4px 4px rgb(84, 176,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5281, 0.2131, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 176, 245) }
```

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

```
.background{ background-color: rgb(84, 176,  
245) }
```

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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