

# Converting Colors

$Yxy(39.2195, 0.2050, 0.2235)$

Have a look what the booklet for  
Yxy(39.2195, 0.2050, 0.2235)  
contains.

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# Color

**Yxy(39.2195, 0.2050, 0.2235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47AFFF
RGB	71, 175, 255
RGB Percent	28%, 69%, 100%
CMY	0.7220, 0.3137, 0.0000
CMYK	0.72, 0.31, 0.00, 0.00
HSL	206°, 100%, 64%
HSV	206°, 72%, 100%
XYZ	35.9731, 39.2195, 100.2861
YIQ	153.0240, -87.6640, 2.8320

# Conversions

## Conversions Part 2

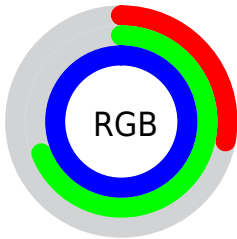
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	71, 137, 255
Decimal	4698111
CIE Lab	68.91, -4.32, -48.19
CIE LCh	69, 48.388, 264.881
Yxy	39.2195, 0.2050, 0.2235
Android (android.graphics.Color)	4282888191 (0xFF47AFFF)
YUV	153.0240, 50.2742, -71.9350
Hunter-Lab	62.6255, -7.0611, -51.1070

# Details

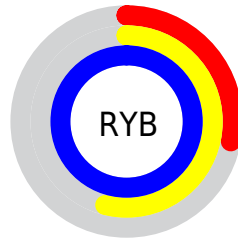
The Yxy color **39.2195, 0.2050, 0.2235** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **43.8118, 0.4909, 0.4026**, and the grayscale version is **31.6617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3891, 0.2469, 0.2997**, and **18.2431, 0.1887, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **34.3137, 0.1950, 0.2064**, and if you desaturate by 10%, it is **44.8849, 0.2171, 0.2406**.

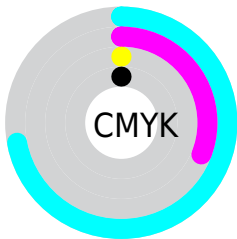
# Distribution



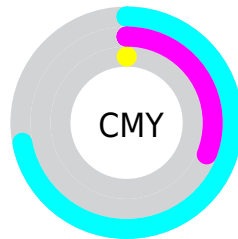
- Red (28%)
- Green (69%)
- Blue (100%)



- Red (28%)
- Yellow (54%)
- Blue (100%)



- Cyan (72%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2195, 0.2050, 0.2235 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 39.2195, 0.2050, 0.2235 by changing the saturation by 10% instead.





 39.2195, 0.2050,  
0.2235

 39.2195, 0.2050,  
0.2235


342.8228, 0.2572,  
0.2753


 26.9305, 0.1929,  
0.2113


 73.9735, 0.2233,  
0.2418


 17.5211, 0.1780,  
0.1963


 97.2074, 0.2304,  
0.2489

 10.6067, 0.1594,  
0.1773


 124.8583, 0.2365,  
0.2549

 5.8030, 0.1359,  
0.1529

 157.3107, 0.2417,  
0.2601

 2.7257, 0.1058,  
0.1215

194.9489, 0.2463,  
0.2646

 0.9903, 0.0686,  
0.0817

238.1574, 0.2504,

 0.0000, 0.0000,

0.2686

0.0000

287.3206, 0.2540,  
0.2721

■ 39.2195, 0.2050,  
0.2235

■ 39.2195, 0.2050,  
0.2235

■ 34.3137, 0.1950,  
0.2064

■ 44.8849, 0.2171,  
0.2406

■ 30.1020, 0.1872,  
0.1897

■ 51.3605, 0.2309,  
0.2574

■ 27.2288, 0.1826,  
0.1772

■ 58.6942, 0.2459,  
0.2735

■ 66.9283, 0.2616,  
0.2886

■ 76.1021, 0.2777,  
0.3025

■ 86.2520, 0.2937,  
0.3152

■ 97.4119, 0.3093,  
0.3267

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.2195, 0.1883, 0.2511



39.2195, 0.2050, 0.2235



39.2195, 0.2479, 0.2218

# Triad

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



39.2195, 0.2050, 0.2235



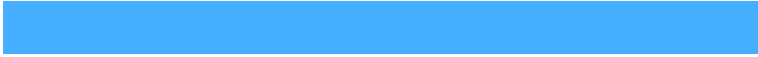
39.2195, 0.4406, 0.3300



39.2195, 0.2993, 0.4439

# Complementary

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



39.2195, 0.2050, 0.2235



43.8118, 0.4909, 0.4026

# 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.



39.2195, 0.3682, 0.4599



39.2195, 0.2050, 0.2235



39.2195, 0.4542, 0.3836

# Square

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



39.2195, 0.2050, 0.2235



39.2195, 0.3863, 0.2805



39.2195, 0.4256, 0.4323



39.2195, 0.2377, 0.3820



# Rectangle

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



39.2195, 0.2050, 0.2235



39.2195, 0.2896, 0.2331



39.2195, 0.4256, 0.4323



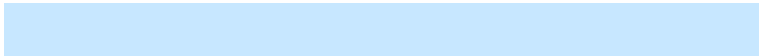
39.2195, 0.3224, 0.4551

# Sweetspot

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



39.2204, 0.2050, 0.2235



76.2907, 0.2780, 0.3028



75.0798, 0.2739, 0.4683



15.7754, 0.2736, 0.2991



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.



39.2204, 0.2050, 0.2235



32.2077, 0.1910, 0.1983



14.7694, 0.1763, 0.1096



19.0826, 0.2979, 0.3184



14.5302, 0.1833, 0.1798



1.6322, 0.1884, 0.1983



# Inverse Universe

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



28.8497, 0.4148, 0.2336



24.8457, 0.4456, 0.2306



85.6515, 0.4164, 0.4797



18.1592, 0.3205, 0.3156



12.1948, 0.4687, 0.2356



1.2093, 0.4472, 0.2237



# Previews

## White Background



This preview shows how the Yxy color 39.2195, 0.2050, 0.2235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

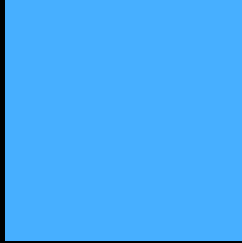
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2195, 0.2050, 0.2235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

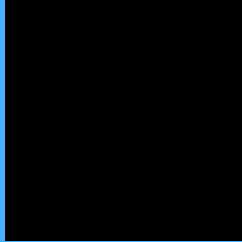
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

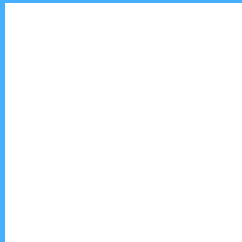
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.2195, 0.2050, 0.2235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2195, 0.2050, 0.2235.



This preview shows how white text looks on a background with the Yxy color 39.2195, 0.2050, 0.2235.

# 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

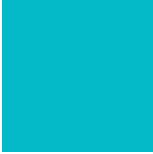
39.2195, 0.2050, 0.2235

### Protanopia

38.7802, 0.2367, 0.2254

### Deuteranopia

39.0684, 0.2235, 0.2181



## **Tritanopia**

39.3607, 0.2184, 0.3054

# Trichromacy



## Original Color

39.2195, 0.2050, 0.2235

## Protanomaly

38.4897, 0.2223, 0.2242

## Deuteranomaly

38.9125, 0.2153, 0.2197

## Tritanomaly

38.9232, 0.2108, 0.2712

# Monochromacy



## Original Color

39.2195, 0.2050, 0.2235

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

33.4184, 0.2577, 0.2851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2195, 0.2050, 0.2235 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(71, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 175, 255)  
}
```

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(71, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 175, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2195, 0.2050, 0.2235 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(71, 175, 255) }
```

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

```
.border{ border-color:rgb(71, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 175,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2195, 0.2050, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 175, 255) }
```

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

```
.background{ background-color: rgb(71, 175,  
255) }
```

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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