

# Converting Colors

$Yxy(39.8084, 0.2050, 0.2257)$

Have a look what the booklet for  
Yxy(39.8084, 0.2050, 0.2257)  
contains.

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# Color

**Yxy(39.9295, 0.2052, 0.2262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45B1FF
RGB	69, 177, 255
RGB Percent	27%, 69%, 100%
CMY	0.7293, 0.3059, 0.0002
CMYK	0.73, 0.31, 0.00, 0.00
HSL	205°, 100%, 64%
HSV	205°, 73%, 100%
XYZ	36.2225, 39.9295, 100.3710
YIQ	153.6000, -89.4060, 1.3620

# Conversions

## Conversions Part 2

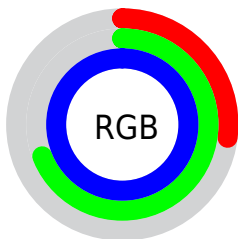
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	69, 137, 255
Decimal	4567551
CIE Lab	69.42, -5.68, -47.37
CIE LCh	69, 47.711, 263.164
Yxy	39.9295, 0.2052, 0.2262
Android (android.graphics.Color)	4282757631 (0xFF45B1FF)
YUV	153.6000, 49.9902, -74.1942
Hunter-Lab	63.1898, -8.2599, -49.9437

# Details

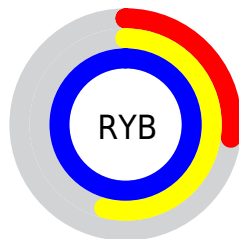
The Yxy color **39.9295, 0.2052, 0.2262** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **42.5481, 0.4958, 0.4001**, and the grayscale version is **31.9424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3365, 0.2464, 0.3020**, and **18.7444, 0.1897, 0.2029** is the 20% darker color. If you saturate the color by 10%, you get **35.1304, 0.1955, 0.2097**, and if you desaturate by 10%, it is **45.4624, 0.2169, 0.2427**.

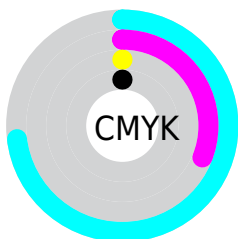
# Distribution



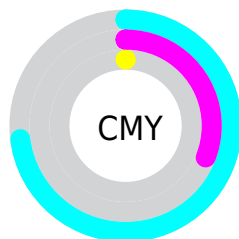
- Red (27%)
- Green (69%)
- Blue (100%)



- Red (27%)
- Yellow (54%)
- Blue (100%)



- Cyan (73%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9295, 0.2052, 0.2262 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 39.9295, 0.2052, 0.2262 by changing the saturation by 10% instead.




 39.9295, 0.2052,  
0.2262

 39.9295, 0.2052,  
0.2262

345.8263, 0.2571,  
0.2767


 27.4836, 0.1932,  
0.2143


 75.0561, 0.2234,  
0.2441


 17.9367, 0.1784,  
0.1995


 98.5057, 0.2305,  
0.2510

 10.9046, 0.1600,  
0.1809


 126.3918, 0.2365,  
0.2568

 6.0027, 0.1366,  
0.1570

 159.0991, 0.2417,  
0.2619

 2.8467, 0.1068,  
0.1259

197.0117, 0.2463,  
0.2663

 1.0522, 0.0697,  
0.0861

240.5142, 0.2503,

 0.0000, 0.0000,

0.2702

0.0000

289.9910, 0.2539,  
0.2736

■ 39.9295, 0.2052,  
0.2262

■ 39.9295, 0.2052,  
0.2262

■ 35.1304, 0.1955,  
0.2097

■ 45.4624, 0.2169,  
0.2427

■ 30.9981, 0.1881,  
0.1936

■ 51.7779, 0.2304,  
0.2589

■ 28.4156, 0.1841,  
0.1826

■ 58.9238, 0.2451,  
0.2744

■ 66.9421, 0.2607,  
0.2890

■ 75.8713, 0.2766,  
0.3025

■ 85.7473, 0.2925,  
0.3148

■ 96.6034, 0.3082,  
0.3260

■ 99.9974, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.9295, 0.1902, 0.2551



39.9295, 0.2052, 0.2262



39.9295, 0.2461, 0.2230

# Triad

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



39.9295, 0.2052, 0.2262



39.9295, 0.4360, 0.3273



39.9295, 0.3036, 0.4437

# Complementary

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



39.9295, 0.2052, 0.2262



42.5481, 0.4958, 0.4001

# 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.



39.9295, 0.3711, 0.4568



39.9295, 0.2052, 0.2262



39.9295, 0.4520, 0.3799

# Square

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



39.9295, 0.2052, 0.2262



39.9295, 0.3811, 0.2788



39.9295, 0.4262, 0.4283



39.9295, 0.2422, 0.3851



# Rectangle

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



39.9295, 0.2052, 0.2262



39.9295, 0.2863, 0.2334



39.9295, 0.4262, 0.4283



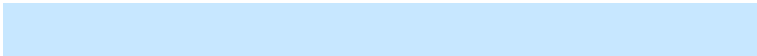
39.9295, 0.3264, 0.4536

# Sweetspot

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



39.9308, 0.2052, 0.2262



76.7682, 0.2781, 0.3037



74.8521, 0.2752, 0.4742



15.8883, 0.2737, 0.3002



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.



39.9308, 0.2052, 0.2262



32.9641, 0.1915, 0.2015



14.9079, 0.1759, 0.1106



19.1302, 0.2979, 0.3188



15.1549, 0.1848, 0.1852



1.6917, 0.1898, 0.2031



# Inverse Universe

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



28.6882, 0.4123, 0.2306



24.7893, 0.4423, 0.2277



83.6890, 0.4191, 0.4784



18.1640, 0.3203, 0.3153



12.2579, 0.4624, 0.2321



1.2153, 0.4418, 0.2207



# Previews

## White Background



This preview shows how the Yxy color 39.9295, 0.2052, 0.2262 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

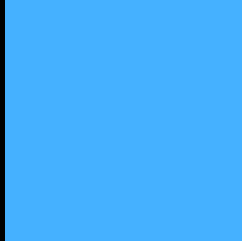
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9295, 0.2052, 0.2262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

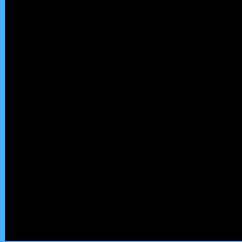
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

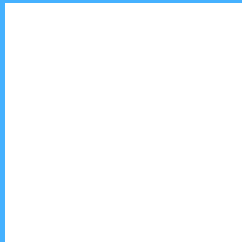
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.9295, 0.2052, 0.2262**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.9295, 0.2052, 0.2262.



This preview shows how white text looks on a background with the Yxy color 39.9295, 0.2052, 0.2262.

# 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

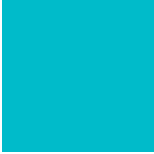
39.9295, 0.2052, 0.2262

### Protanopia

39.6158, 0.2389, 0.2293

### Deuteranopia

39.6609, 0.2253, 0.2198



## Tritanopia

39.8049, 0.2182, 0.3055

# Trichromacy



**Original Color**

39.9295, 0.2052, 0.2262

**Protanomaly**

39.2338, 0.2229, 0.2269

**Deuteranomaly**

39.3491, 0.2160, 0.2211

**Tritanomaly**

39.2941, 0.2109, 0.2727

# Monochromacy



**Original Color**

39.9295, 0.2052, 0.2262

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

33.8132, 0.2573, 0.2853

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9295, 0.2052, 0.2262 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(69, 177, 255)` looks like.

```
.text, #text, p{  
  color:rgb(69, 177, 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(69, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 177, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9295, 0.2052, 0.2262 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(69, 177, 255) }
```

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

```
.border{ border-color:rgb(69, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 177,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9295, 0.2052, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 177, 255) }
```

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

```
.background{ background-color: rgb(69, 177,  
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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