

# Converting Colors

$Yxy(72.4832, 0.2356, 0.3109)$

Have a look what the booklet for  
Yxy(72.4832, 0.2356, 0.3109)  
contains.

<b>Yxy(72.4832, 0.2356, 0.3109)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.4832, 0.2356, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68F0FF
RGB	104, 240, 255
RGB Percent	41%, 94%, 100%
CMY	0.5919, 0.0588, 0.0000
CMYK	0.59, 0.06, 0.00, 0.00
HSL	186°, 100%, 70%
HSV	186°, 59%, 100%
XYZ	54.9278, 72.4832, 105.7290
YIQ	201.0460, -85.8710, -24.1670

# Conversions

## Conversions Part 2

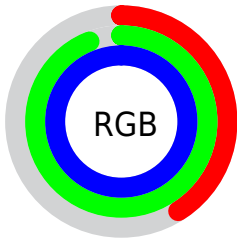
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 176, 255
Decimal	6877439
CIELab	88.20, -32.67, -18.39
CIELCh	88, 37.489, 209.382
Yxy	72.4832, 0.2356, 0.3109
Android (android.graphics.Color)	4285067519 (0xFF68F0FF)
YUV	201.0460, 26.5993, -85.1093
Hunter-Lab	85.1371, -33.8273, -14.0344

# Details

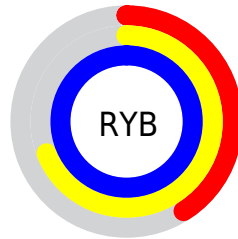
The Yxy color **72.4832, 0.2356, 0.3109** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.4711, 0.4882, 0.3440**, and the grayscale version is **58.3206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **38.4163, 0.2191, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **69.6984, 0.2279, 0.3075**, and if you desaturate by 10%, it is **75.7515, 0.2453, 0.3144**.

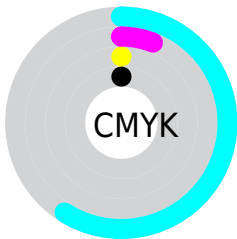
# Distribution



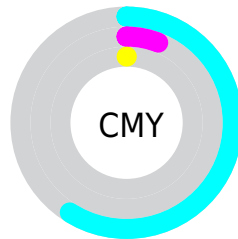
- Red (41%)
- Green (94%)
- Blue (100%)



- Red (41%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4832, 0.2356, 0.3109 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 72.4832, 0.2356, 0.3109 by changing the saturation by 10% instead.




 72.4832, 0.2356,  
0.3109


 72.4832, 0.2356,  
0.3109


469.2217, 0.2702,  
0.3203

 53.5535, 0.2280,  
0.3085


 122.7433, 0.2474,  
0.3144

 38.2448, 0.2188,  
0.3055


 154.8424, 0.2520,  
0.3157

 26.1727, 0.2074,  
0.3015


 192.1002, 0.2560,  
0.3167

 16.9529, 0.1930,  
0.2960

234.9009, 0.2596,  
0.3177

 10.2009, 0.1743,  
0.2881

283.6290, 0.2627,  
0.3185

 5.5324, 0.1492,  
0.2760

338.6689, 0.2655,

 2.5629, 0.1147,

0.3192

0.2560

400.4050, 0.2680,  
0.3198

■ 0.9080, 0.0166,  
0.2310

■ 0.0000, 0.0000,  
0.0000

■ 72.4832, 0.2356,  
0.3109

■ 72.4832, 0.2356,  
0.3109

■ 69.6984, 0.2279,  
0.3075

■ 75.7515, 0.2453,  
0.3144

■ 67.3520, 0.2221,  
0.3040

■ 79.5389, 0.2566,  
0.3177

■ 65.3934, 0.2182,  
0.3005

■ 83.8802, 0.2695,  
0.3209

■ 63.7458, 0.2160,  
0.2971

■ 88.8062, 0.2835,  
0.3239

63.6184, 0.2158,  
0.2968

94.3454, 0.2985,  
0.3266

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

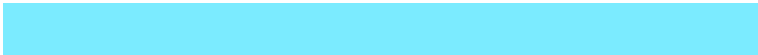
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4832, 0.2601, 0.3555



72.4832, 0.2356, 0.3109



72.4832, 0.2304, 0.2761

# Triad

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



72.4832, 0.2356, 0.3109



72.4832, 0.3211, 0.2744



72.4832, 0.3823, 0.4012

# Complementary

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



72.4832, 0.2356, 0.3109



35.4711, 0.4882, 0.3440

# 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.



72.4832, 0.4021, 0.3734



72.4832, 0.2356, 0.3109



72.4832, 0.3658, 0.3026

# Square

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



72.4832, 0.2356, 0.3109



72.4832, 0.2771, 0.2584



72.4832, 0.3963, 0.3377



72.4832, 0.3444, 0.4107

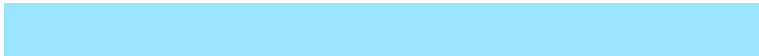


# Rectangle

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



72.4832, 0.2356, 0.3109



72.4832, 0.2380, 0.2623



72.4832, 0.3963, 0.3377



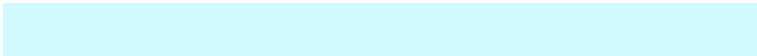
72.4832, 0.3914, 0.3934

# Sweetspot

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



72.4839, 0.2356, 0.3109



89.4329, 0.2853, 0.3242



75.7429, 0.2990, 0.5070



18.8177, 0.2811, 0.3234



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

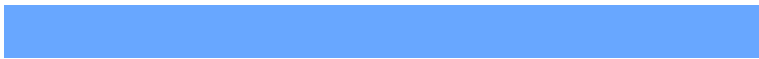
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4839, 0.2356, 0.3109



69.2426, 0.2267, 0.3068



37.7876, 0.2144, 0.2156



20.1545, 0.2980, 0.3266



33.3678, 0.2160, 0.2974



3.3345, 0.2170, 0.3013



# Inverse Universe

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



37.4645, 0.3333, 0.2016



32.2654, 0.3380, 0.1849



60.0084, 0.4348, 0.4167



18.2674, 0.3153, 0.3079



14.0965, 0.3477, 0.1689

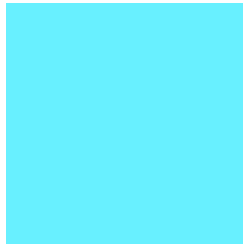


1.3812, 0.3443, 0.1670



# Previews

## White Background



This preview shows how the Yxy color 72.4832, 0.2356, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

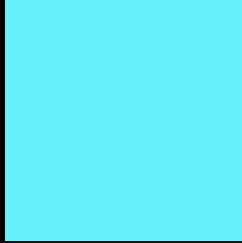
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4832, 0.2356, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

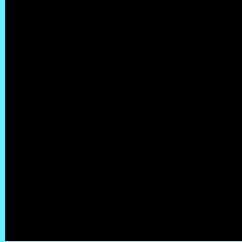
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4832, 0.2356, 0.3109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4832, 0.2356, 0.3109.

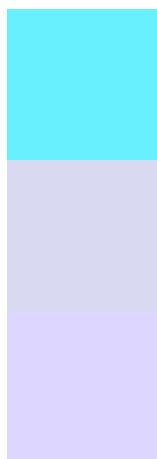


This preview shows how white text looks on a background with the Yxy color 72.4832, 0.2356, 0.3109.

# 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

72.4832, 0.2356, 0.3109

### Protanopia

71.2454, 0.2971, 0.3043

### Deuteranopia

71.1930, 0.2911, 0.2872



## Tritanopia

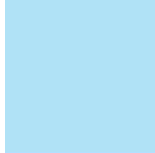
72.0735, 0.2418, 0.3077

# Trichromacy



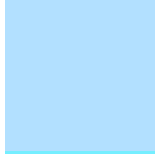
## Original Color

72.4832, 0.2356, 0.3109



## Protanomaly

70.2766, 0.2690, 0.3062



## Deuteranomaly

69.9963, 0.2651, 0.2943



## Tritanomaly

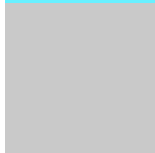
72.1510, 0.2395, 0.3087

# Monochromacy



## Original Color

72.4832, 0.2356, 0.3109



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.9283, 0.2756, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4832, 0.2356, 0.3109 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(104, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 240, 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(104, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4832, 0.2356, 0.3109 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(104, 240, 255) }
```

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

```
.border{ border-color:rgb(104, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(104, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4832, 0.2356, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 240, 255) }
```

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

```
.background{ background-color: rgb(104,  
240, 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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