

# Converting Colors

$Yxy(49.8792, 0.2223, 0.2614)$

Have a look what the booklet for  
Yxy(49.8792, 0.2223, 0.2614)  
contains.

<b>Yxy(49.8400, 0.2222, 0.2611)</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(49.8400, 0.2222, 0.2611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C6FB
RGB	96, 198, 251
RGB Percent	38%, 78%, 98%
CMY	0.6241, 0.2234, 0.0158
CMYK	0.62, 0.21, 0.00, 0.02
HSL	200°, 95%, 68%
HSV	200°, 62%, 98%
XYZ	42.4146, 49.8400, 98.6301
YIQ	173.5440, -77.8050, -5.1410

# Conversions

## Conversions Part 2

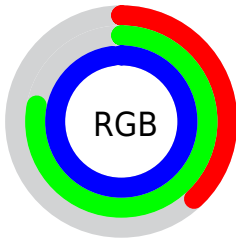
Format	Color
R <sub>Y</sub> B	96, 158, 251
Decimal	6342395
CIE Lab	75.97, -14.34, -34.94
CIE LCh	76, 37.772, 247.689
Yxy	49.8400, 0.2222, 0.2611
Android (android.graphics.Color)	4284532475 (0xFF60C6FB)
YUV	173.5440, 38.1858, -68.0061
Hunter-Lab	70.5975, -16.3037, -33.4145

# Details

The Yxy color **49.8400, 0.2222, 0.2611** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.7765, 0.4701, 0.3823**, and the grayscale version is **41.8937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **23.8416, 0.2008, 0.2429** is the 20% darker color. If you saturate the color by 10%, you get **44.8866, 0.2114, 0.2479**, and if you desaturate by 10%, it is **55.4525, 0.2347, 0.2740**.

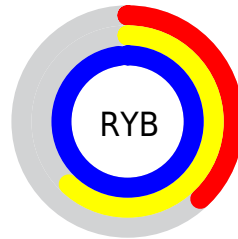
# Distribution



Red (38%)

Green (78%)

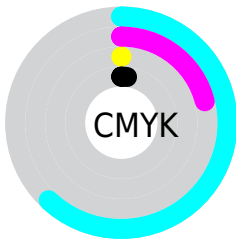
Blue (98%)



Red (38%)

Yellow (62%)

Blue (98%)

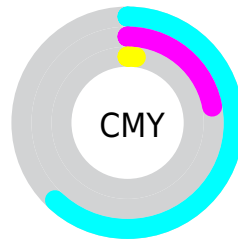


Cyan (62%)

Magenta (21%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (22%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8400, 0.2222, 0.2611 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 49.8400, 0.2222, 0.2611 by changing the saturation by 10% instead.





 49.8400, 0.2222,  
0.2611


 49.8400, 0.2222,  
0.2611


386.0399, 0.2650,  
0.2946


 35.2863, 0.2124,  
0.2530


 89.9378, 0.2371,  
0.2731


 23.8835, 0.2003,  
0.2429


 116.2506, 0.2429,  
0.2777

 15.2472, 0.1852,  
0.2299


 147.2519, 0.2479,  
0.2815

 8.9931, 0.1657,  
0.2126

 183.3262, 0.2522,  
0.2849

 4.7367, 0.1402,  
0.1890

224.8577, 0.2560,  
0.2878

 2.0936, 0.1063,  
0.1554

272.2309, 0.2593,

 0.6610, 0.0449,

0.2904

0.1067

325.8302, 0.2623,  
0.2926

0.0000, 0.0000,  
0.0000

49.8400, 0.2222,  
0.2611

49.8400, 0.2222,  
0.2611

44.8866, 0.2114,  
0.2479

55.4525, 0.2347,  
0.2740

40.5404, 0.2027,  
0.2346

61.7598, 0.2485,  
0.2863


36.7475, 0.1960,  
0.2215

68.8005, 0.2633,  
0.2979

33.9861, 0.1920,  
0.2110

76.6083, 0.2787,  
0.3087

85.2144, 0.2944,  
0.3186

 94.6482, 0.3099,  
0.3275

 99.7435, 0.3150,  
0.3328

# Harmonies

## Analogous

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



49.8400, 0.2217, 0.2951



49.8400, 0.2222, 0.2611



49.8400, 0.2442, 0.2473

# Triad

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



49.8400, 0.2222, 0.2611



49.8400, 0.3853, 0.3092



49.8400, 0.3342, 0.4209

# Complementary

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



49.8400, 0.2222, 0.2611



42.7765, 0.4701, 0.3823

# 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.



49.8400, 0.3811, 0.4167



49.8400, 0.2222, 0.2611



49.8400, 0.4132, 0.3495

# Square

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



49.8400, 0.2222, 0.2611



49.8400, 0.3368, 0.2750



49.8400, 0.4109, 0.3886



49.8400, 0.2837, 0.3937



# Rectangle

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



49.8400, 0.2222, 0.2611



49.8400, 0.2695, 0.2490



49.8400, 0.4109, 0.3886



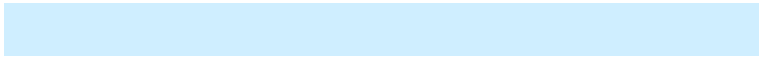
49.8400, 0.3509, 0.4229

# Sweetspot

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



49.8418, 0.2222, 0.2611



81.8396, 0.2831, 0.3115



73.5815, 0.2826, 0.4661



16.9890, 0.2786, 0.3086



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.



49.8418, 0.2222, 0.2611



45.4725, 0.2093, 0.2449



23.2875, 0.1987, 0.1588



18.5524, 0.2980, 0.3207



18.1497, 0.1925, 0.2131



1.8777, 0.1968, 0.2286



# Inverse Universe

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



32.9206, 0.3760, 0.2286



28.9352, 0.3941, 0.2170



75.2619, 0.4146, 0.4533



17.4180, 0.3191, 0.3135



12.2431, 0.4307, 0.2146

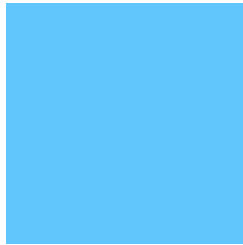


1.1538, 0.4141, 0.2055



# Previews

## White Background



This preview shows how the Yxy color 49.8400, 0.2222, 0.2611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

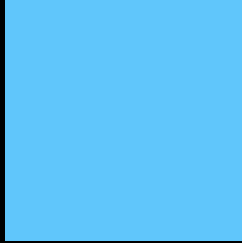
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8400, 0.2222, 0.2611 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

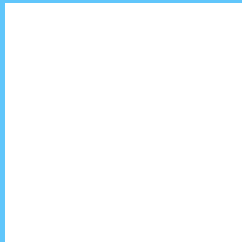
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.8400, 0.2222, 0.2611**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8400, 0.2222, 0.2611.



This preview shows how white text looks on a background with the Yxy color 49.8400, 0.2222, 0.2611.

# 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

49.8400, 0.2222, 0.2611

### Protanopia

49.2898, 0.2633, 0.2605

### Deuteranopia

49.4361, 0.2519, 0.2464



## Tritanopia

50.1024, 0.2320, 0.3066

# Trichromacy



**Original Color**

49.8400, 0.2222, 0.2611

**Protanomaly**

48.9171, 0.2450, 0.2595

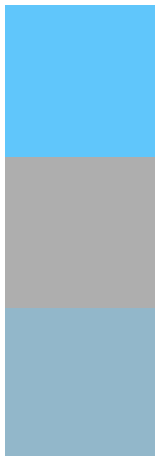
**Deuteranomaly**

49.0625, 0.2388, 0.2507

**Tritanomaly**

49.9890, 0.2282, 0.2897

# Monochromacy



**Original Color**

49.8400, 0.2222, 0.2611

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

44.2422, 0.2701, 0.3030

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8400, 0.2222, 0.2611 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(96, 198, 251)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 251)  
}
```

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(96, 198, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8400, 0.2222, 0.2611 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(96, 198, 251) }
```

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

```
.border{ border-color:rgb(96, 198, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 251);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8400, 0.2222, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 251) }
```

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

```
.background{ background-color: rgb(96, 198,  
251) }
```

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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