

# Converting Colors

$Yxy(50.6897, 0.2268, 0.2652)$

Have a look what the booklet for  
Yxy(50.6897, 0.2268, 0.2652)  
contains.

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# Color

**Yxy(50.6897, 0.2268, 0.2652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C7F9
RGB	105, 199, 249
RGB Percent	41%, 78%, 98%
CMY	0.5880, 0.2196, 0.0236
CMYK	0.58, 0.20, 0.00, 0.02
HSL	201°, 92%, 69%
HSV	201°, 58%, 98%
XYZ	43.3500, 50.6897, 97.0979
YIQ	176.5940, -72.0740, -4.3780

# Conversions

## Conversions Part 2

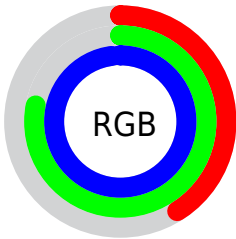
Format	Color
<a href="#">RYB</a>	105, 162, 249
Decimal	6932473
CIELab	76.49, -13.79, -33.04
CIELCh	76, 35.803, 247.344
Yxy	50.6897, 0.2268, 0.2652
Android (android.graphics.Color)	4285122553 (0xFF69C7F9)
YUV	176.5940, 35.6962, -62.7879
Hunter-Lab	71.1967, -15.9097, -31.0219

# Details

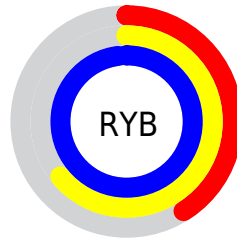
The Yxy color **50.6897, 0.2268, 0.2652** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6138, 0.4554, 0.3809**, and the grayscale version is **43.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **24.3479, 0.2061, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **45.5305, 0.2152, 0.2519**, and if you desaturate by 10%, it is **56.5199, 0.2400, 0.2781**.

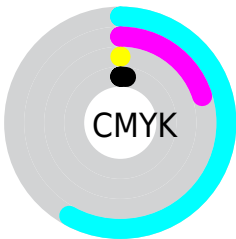
# Distribution



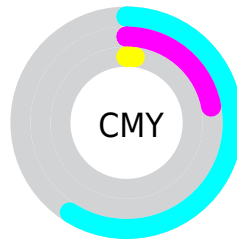
- Red (41%)
- Green (78%)
- Blue (98%)



- Red (41%)
- Yellow (64%)
- Blue (98%)



- Cyan (58%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (59%)
- Magenta (22%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6897, 0.2268, 0.2652 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 50.6897, 0.2268, 0.2652 by changing the saturation by 10% instead.



■ 50.6897, 0.2268,  
0.2652

■ 50.6897, 0.2268,  
0.2652

■ 389.3570, 0.2674,  
0.2967

■ 35.9617, 0.2175,  
0.2576

■ 91.1959, 0.2410,  
0.2765

■ 24.4046, 0.2059,  
0.2481

■ 117.7430, 0.2465,  
0.2807

■ 15.6340, 0.1914,  
0.2358

■ 148.9985, 0.2512,  
0.2844

■ 9.2656, 0.1727,  
0.2195

■ 185.3469, 0.2553,  
0.2875

■ 4.9148, 0.1480,  
0.1969

■ 227.1725, 0.2589,  
0.2903

■ 2.1974, 0.1147,  
0.1647

■ 274.8598, 0.2621,

■ 0.7186, 0.0567,

0.2927

0.1177

328.7932, 0.2649,  
0.2948

0.0000, 0.0000,  
0.0000

50.6897, 0.2268,  
0.2652

50.6897, 0.2268,  
0.2652

45.5305, 0.2152,  
0.2519

56.5199, 0.2400,  
0.2781

40.9934, 0.2055,  
0.2383

63.0541, 0.2543,  
0.2904

37.0296, 0.1980,  
0.2249

70.3293, 0.2694,  
0.3019

33.5723, 0.1924,  
0.2117

78.3775, 0.2850,  
0.3125

32.8582, 0.1914,  
0.2089

87.2289, 0.3006,  
0.3221

96.9116, 0.3161,  
0.3308

99.6178, 0.3162,  
0.3348

# Harmonies

## Analogous

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



50.6897, 0.2266, 0.2978



50.6897, 0.2268, 0.2652



50.6897, 0.2475, 0.2517

# Triad

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



50.6897, 0.2268, 0.2652



50.6897, 0.3806, 0.3100



50.6897, 0.3338, 0.4154

# Complementary

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



50.6897, 0.2268, 0.2652



44.6138, 0.4554, 0.3809

# 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.



50.6897, 0.3779, 0.4116



50.6897, 0.2268, 0.2652



50.6897, 0.4072, 0.3483

# Square

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



50.6897, 0.2268, 0.2652



50.6897, 0.3349, 0.2775



50.6897, 0.4056, 0.3853



50.6897, 0.2860, 0.3901



# Rectangle

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



50.6897, 0.2268, 0.2652



50.6897, 0.2715, 0.2530



50.6897, 0.4056, 0.3853



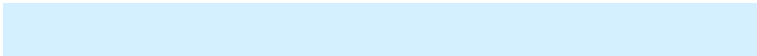
50.6897, 0.3496, 0.4173

# Sweetspot

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



50.6915, 0.2268, 0.2652



83.4531, 0.2862, 0.3133



73.0428, 0.2835, 0.4555



17.4793, 0.2831, 0.3112



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.



50.6915, 0.2268, 0.2652



47.4218, 0.2139, 0.2501



25.5605, 0.2063, 0.1713



18.5344, 0.2980, 0.3206



17.8688, 0.1920, 0.2110



1.8531, 0.1963, 0.2267



# Inverse Universe

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



34.3758, 0.3712, 0.2345



30.7496, 0.3879, 0.2219



75.0002, 0.4085, 0.4470



17.4162, 0.3191, 0.3136



12.2148, 0.4330, 0.2159

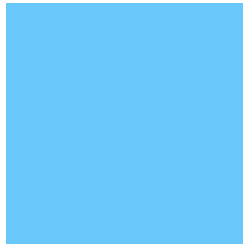


1.1513, 0.4161, 0.2066



# Previews

## White Background



This preview shows how the Yxy color 50.6897, 0.2268, 0.2652 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

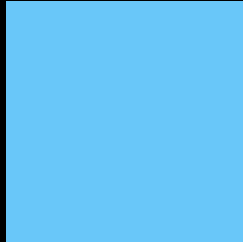
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6897, 0.2268, 0.2652 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

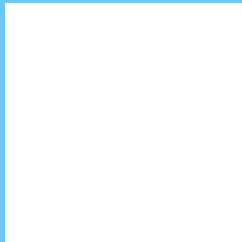
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.6897, 0.2268, 0.2652**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.6897, 0.2268, 0.2652.

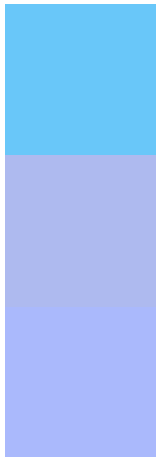


This preview shows how white text looks on a background with the Yxy color 50.6897, 0.2268, 0.2652.

# 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

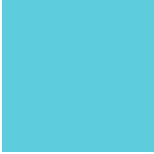
50.6897, 0.2268, 0.2652

### Protanopia

50.3485, 0.2668, 0.2655

### Deuteranopia

50.2722, 0.2564, 0.2503



## **Tritanopia**

50.7333, 0.2359, 0.3056

# Trichromacy



**Original Color**

50.6897, 0.2268, 0.2652

**Protanomaly**

50.1222, 0.2493, 0.2648

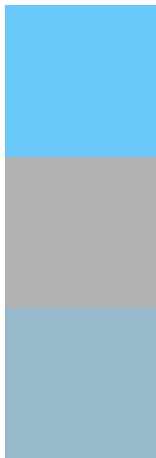
**Deuteranomaly**

49.9029, 0.2433, 0.2546

**Tritanomaly**

50.5520, 0.2323, 0.2901

# Monochromacy



**Original Color**

50.6897, 0.2268, 0.2652

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.5890, 0.2733, 0.3047

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6897, 0.2268, 0.2652 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(105, 199, 249)` looks like.

```
.text, #text, p{  
    color:rgb(105, 199, 249)  
}
```

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(105, 199, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 199, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6897, 0.2268, 0.2652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

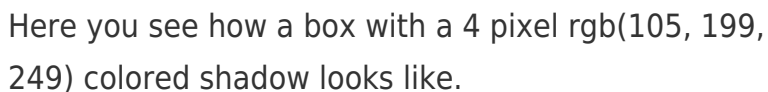
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 199, 249) }
```

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

```
.border{ border-color:rgb(105, 199, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 199, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 199, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 199, 249); box-shadow:4px 4px 4px 4px rgb(105, 199, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6897, 0.2268, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 199, 249) }
```

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

```
.background{ background-color: rgb(105,  
199, 249) }
```

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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