

# Converting Colors

$Yxy(51.4155, 0.2283, 0.2665)$

Have a look what the booklet for  
Yxy(51.4155, 0.2283, 0.2665)  
contains.

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# Color

**Yxy(51.3363, 0.2283, 0.2667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC8F9
RGB	108, 200, 249
RGB Percent	42%, 78%, 98%
CMY	0.5761, 0.2157, 0.0236
CMYK	0.57, 0.20, 0.00, 0.02
HSL	201°, 92%, 70%
HSV	201°, 57%, 98%
XYZ	43.9448, 51.3363, 97.2060
YIQ	178.0780, -70.5610, -4.2650

# Conversions

## Conversions Part 2

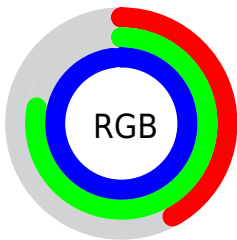
Format	Color
R <sub>Y</sub> B	108, 164, 249
Decimal	7129337
CIE Lab	76.88, -13.73, -32.44
CIE LCh	77, 35.222, 247.062
Yxy	51.3363, 0.2283, 0.2667
Android (android.graphics.Color)	4285319417 (0xFF6CC8F9)
YUV	178.0780, 34.9645, -61.4584
Hunter-Lab	71.6494, -15.9067, -30.2836

# Details

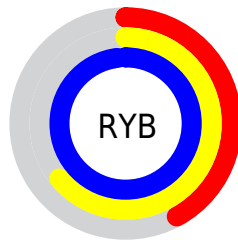
The Yxy color **51.3363, 0.2283, 0.2667** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3711, 0.4512, 0.3801**, and the grayscale version is **44.4172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **24.7569, 0.2079, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **46.0938, 0.2165, 0.2534**, and if you desaturate by 10%, it is **57.2555, 0.2416, 0.2796**.

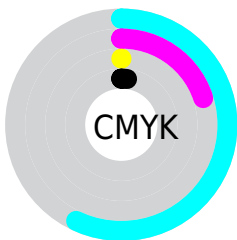
# Distribution



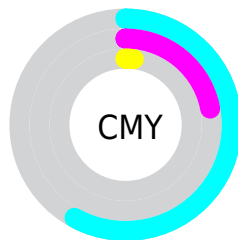
- Red (42%)
- Green (78%)
- Blue (98%)



- Red (42%)
- Yellow (64%)
- Blue (98%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (22%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3363, 0.2283, 0.2667 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 51.3363, 0.2283, 0.2667 by changing the saturation by 10% instead.





 51.3363, 0.2283,  
0.2667

 51.3363, 0.2283,  
0.2667


391.8690, 0.2682,  
0.2974


 36.4763, 0.2191,  
0.2593


 92.1517, 0.2422,  
0.2777

 24.8023, 0.2078,  
0.2500


 118.8759, 0.2476,  
0.2819

 15.9298, 0.1936,  
0.2380

 150.3236, 0.2522,  
0.2854

 9.4745, 0.1752,  
0.2221


186.8793, 0.2563,  
0.2885

 5.0520, 0.1509,  
0.2001

228.9272, 0.2598,  
0.2912

 2.2778, 0.1181,  
0.1686

276.8519, 0.2629,

 0.7619, 0.0627,

0.2935

0.1227

331.0377, 0.2657,  
0.2956

0.0000, 0.0000,  
0.0000

51.3363, 0.2283,  
0.2667

51.3363, 0.2283,  
0.2667

46.0938, 0.2165,  
0.2534

57.2555, 0.2416,  
0.2796

41.4797, 0.2066,  
0.2398

63.8840, 0.2561,  
0.2918

37.4461, 0.1987,  
0.2264

71.2581, 0.2713,  
0.3032

33.9318, 0.1930,  
0.2131

79.4100, 0.2869,  
0.3137

32.8189, 0.1913,  
0.2087

88.3693, 0.3025,  
0.3232

97.6874, 0.3164,  
0.3318

99.6189, 0.3162,  
0.3347

# Harmonies

## Analogous

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



51.3363, 0.2284, 0.2989



51.3363, 0.2283, 0.2667



51.3363, 0.2485, 0.2531

# Triad

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



51.3363, 0.2283, 0.2667



51.3363, 0.3789, 0.3101



51.3363, 0.3339, 0.4137

# Complementary

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



51.3363, 0.2283, 0.2667



45.3711, 0.4512, 0.3801

# 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.



51.3363, 0.3770, 0.4098



51.3363, 0.2283, 0.2667



51.3363, 0.4051, 0.3477

# Square

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



51.3363, 0.2283, 0.2667



51.3363, 0.3341, 0.2782



51.3363, 0.4039, 0.3841



51.3363, 0.2870, 0.3891



# Rectangle

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



51.3363, 0.2283, 0.2667



51.3363, 0.2720, 0.2544



51.3363, 0.4039, 0.3841



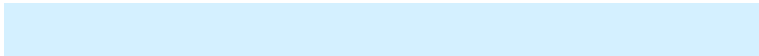
51.3363, 0.3493, 0.4154

# Sweetspot

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



51.3382, 0.2283, 0.2667



83.4402, 0.2862, 0.3132



73.3084, 0.2838, 0.4523



17.4763, 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.



51.3382, 0.2283, 0.2667



47.8892, 0.2149, 0.2514



26.4236, 0.2086, 0.1750



18.5329, 0.2980, 0.3206



17.8451, 0.1919, 0.2108



1.8510, 0.1963, 0.2265



# Inverse Universe

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



35.0545, 0.3696, 0.2362



31.1607, 0.3865, 0.2229



75.3487, 0.4066, 0.4450



17.4160, 0.3192, 0.3136



12.2124, 0.4332, 0.2160

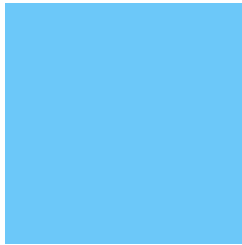


1.1511, 0.4163, 0.2067



# Previews

## White Background



This preview shows how the Yxy color 51.3363, 0.2283, 0.2667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

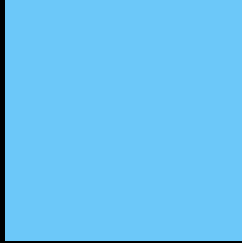
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3363, 0.2283, 0.2667 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

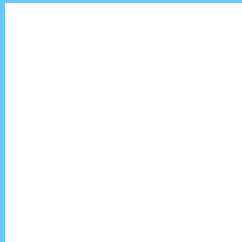
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3363, 0.2283, 0.2667**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3363, 0.2283, 0.2667.

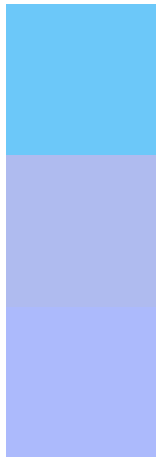


This preview shows how white text looks on a background with the Yxy color 51.3363, 0.2283, 0.2667.

# 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

51.3363, 0.2283, 0.2667

### Protanopia

50.8866, 0.2676, 0.2668

### Deuteranopia

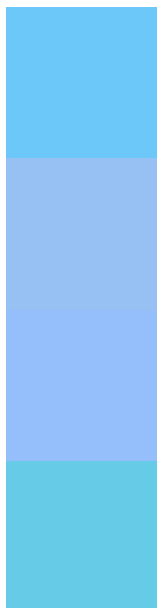
50.9167, 0.2578, 0.2518



## Tritanopia

51.4245, 0.2377, 0.3071

# Trichromacy



**Original Color**

51.3363, 0.2283, 0.2667

**Protanomaly**

50.7496, 0.2507, 0.2662

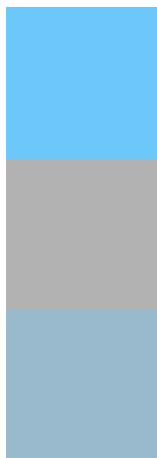
**Deuteranomaly**

50.6162, 0.2452, 0.2562

**Tritanomaly**

51.2481, 0.2342, 0.2916

# Monochromacy



**Original Color**

51.3363, 0.2283, 0.2667

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

46.2497, 0.2742, 0.3049

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3363, 0.2283, 0.2667 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(108, 200, 249)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 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(108, 200, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3363, 0.2283, 0.2667 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(108, 200, 249) }
```

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

```
.border{ border-color:rgb(108, 200, 249) }
```

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

Here you see how a box with a 4 pixel rgb(108, 200, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 200, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 200, 249);  
box-shadow:4px 4px 4px 4px rgb(108, 200,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3363, 0.2283, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 249) }
```

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

```
.background{ background-color: rgb(108,  
200, 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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