

# Converting Colors

$Yxy(67.8262, 0.2366, 0.3183)$

Have a look what the booklet for  
Yxy(67.8262, 0.2366, 0.3183)  
contains.

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# Color

**Yxy(67.8581, 0.2365, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61EAF3
RGB	97, 234, 243
RGB Percent	38%, 92%, 95%
CMY	0.6203, 0.0823, 0.0471
CMYK	0.60, 0.04, 0.00, 0.05
HSL	184°, 86%, 67%
HSV	184°, 60%, 95%
XYZ	50.5144, 67.8581, 95.2192
YIQ	194.0630, -84.5410, -26.2450

# Conversions

## Conversions Part 2

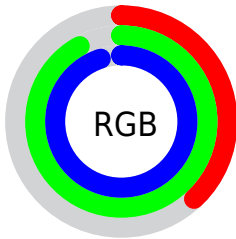
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 168, 243
Decimal	6417139
CIE Lab	85.94, -34.37, -15.51
CIE LCh	86, 37.706, 204.283
Yxy	67.8581, 0.2365, 0.3177
Android (android.graphics.Color)	4284607219 (0xFF61EAF3)
YUV	194.0630, 24.1259, -85.1243
Hunter-Lab	82.3760, -34.6987, -10.8706

# Details

The Yxy color **67.8581, 0.2365, 0.3177** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.1781, 0.4961, 0.3384**, and the grayscale version is **53.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **35.4286, 0.2205, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **65.8816, 0.2294, 0.3156**, and if you desaturate by 10%, it is **70.2553, 0.2455, 0.3198**.

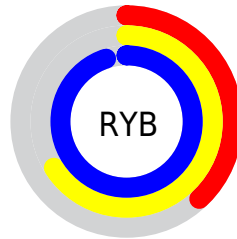
# Distribution



Red (38%)

Green (92%)

Blue (95%)



Red (38%)

Yellow (66%)

Blue (95%)

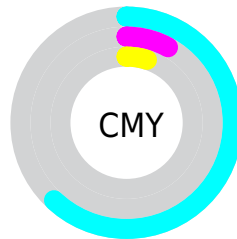


Cyan (60%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (62%)

Magenta (8%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8581, 0.2365, 0.3177 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 67.8581, 0.2365, 0.3177 by changing the saturation by 10% instead.




 67.8581, 0.2365,  
0.3177


 67.8581, 0.2365,  
0.3177


452.9931, 0.2712,  
0.3240


 49.7823, 0.2288,  
0.3160


 116.1491, 0.2484,  
0.3201

 35.2405, 0.2193,  
0.3137


 147.1331, 0.2530,  
0.3210

 23.8482, 0.2076,  
0.3107


 183.1887, 0.2571,  
0.3217

 15.2210, 0.1926,  
0.3064

224.7001, 0.2606,  
0.3223

 8.9747, 0.1729,  
0.2999

272.0519, 0.2637,  
0.3229

 4.7247, 0.1461,  
0.2894

325.6284, 0.2665,

 2.0866, 0.1087,

0.3233

0.2707

385.8140, 0.2690,  
0.3237

0.6571, 0.0000,  
0.2415

0.0000, 0.0000,  
0.0000

67.8581, 0.2365,  
0.3177

67.8581, 0.2365,  
0.3177

65.8816, 0.2294,  
0.3156

70.2553, 0.2455,  
0.3198

64.2792, 0.2243,  
0.3135


73.0993, 0.2563,  
0.3218

63.0075, 0.2211,  
0.3114


76.4229, 0.2687,  
0.3238

62.0026, 0.2193,  
0.3094


80.2539, 0.2824,  
0.3256

 84.6179, 0.2971,  
0.3274

 89.5384, 0.3125,  
0.3290

 92.7068, 0.3205,  
0.3304

 93.6097, 0.3203,  
0.3319

 94.5199, 0.3202,  
0.3333

# Harmonies

## Analogous

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



67.8581, 0.2647, 0.3639



67.8581, 0.2365, 0.3177



67.8581, 0.2277, 0.2795

# Triad

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



67.8581, 0.2365, 0.3177



67.8581, 0.3132, 0.2692



67.8581, 0.3893, 0.3992

# Complementary

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



67.8581, 0.2365, 0.3177



30.1781, 0.4961, 0.3384

# 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.



67.8581, 0.4056, 0.3685



67.8581, 0.2365, 0.3177



67.8581, 0.3600, 0.2963

# Square

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



67.8581, 0.2365, 0.3177



67.8581, 0.2694, 0.2554



67.8581, 0.3949, 0.3315



67.8581, 0.3526, 0.4132

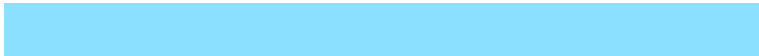


# Rectangle

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



67.8581, 0.2365, 0.3177



67.8581, 0.2332, 0.2633



67.8581, 0.3949, 0.3315



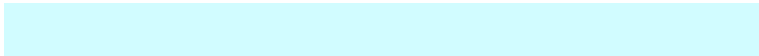
67.8581, 0.3974, 0.3903

# Sweetspot

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



67.8607, 0.2365, 0.3177



90.5265, 0.2854, 0.3260



67.6285, 0.3008, 0.5155



19.0888, 0.2812, 0.3255



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.



67.8607, 0.2365, 0.3177



73.1181, 0.2282, 0.3152



35.0549, 0.2147, 0.2206



18.5734, 0.2981, 0.3275



34.1068, 0.2194, 0.3097



3.0495, 0.2201, 0.3123



# Inverse Universe

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



33.5120, 0.3280, 0.1960



32.3332, 0.3311, 0.1790



51.4422, 0.4403, 0.4128



16.7497, 0.3147, 0.3071



13.5425, 0.3369, 0.1630

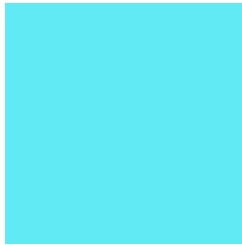


1.1955, 0.3347, 0.1618



# Previews

## White Background



This preview shows how the Yxy color 67.8581, 0.2365, 0.3177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

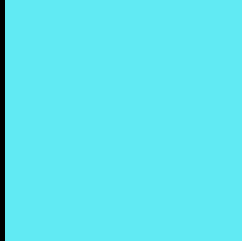
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8581, 0.2365, 0.3177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

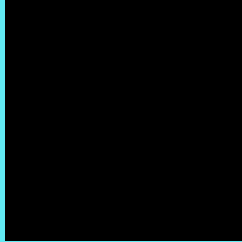
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.8581, 0.2365, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8581, 0.2365, 0.3177.

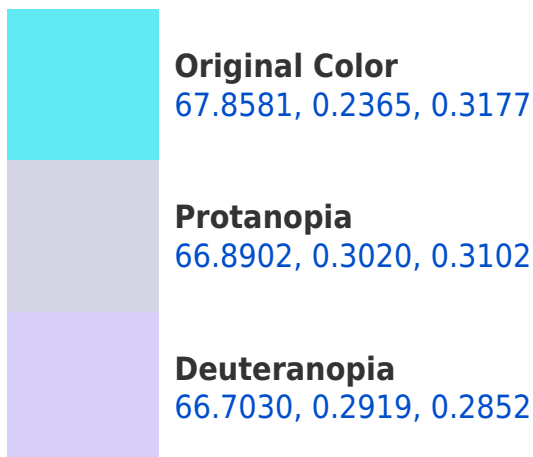


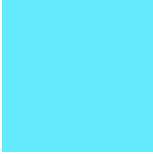
This preview shows how white text looks on a background with the Yxy color 67.8581, 0.2365, 0.3177.

# 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





## **Tritanopia**

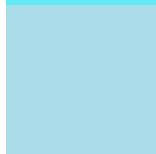
68.0728, 0.2339, 0.3058

# Trichromacy



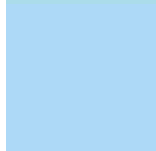
## Original Color

67.8581, 0.2365, 0.3177



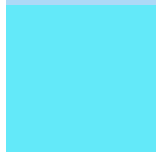
## Protanomaly

65.7848, 0.2719, 0.3124



## Deuteranomaly

65.2253, 0.2656, 0.2944



## Tritanomaly

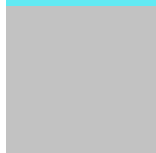
67.7700, 0.2345, 0.3092

# Monochromacy



## Original Color

67.8581, 0.2365, 0.3177



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

57.7253, 0.2759, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8581, 0.2365, 0.3177 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(97, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(97, 234, 243)  
}
```

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(97, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 234, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8581, 0.2365, 0.3177 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(97, 234, 243) }
```

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

```
.border{ border-color:rgb(97, 234, 243) }
```

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

Here you see how a box with a 4 pixel rgb(97, 234, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(97, 234,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8581, 0.2365, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 234, 243) }
```

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

```
.background{ background-color: rgb(97, 234,  
243) }
```

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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