

# Converting Colors

$Yxy(65.9422, 0.2372, 0.3067)$

Have a look what the booklet for  
Yxy(65.9422, 0.2372, 0.3067)  
contains.

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# Color

**Yxy(65.9422, 0.2372, 0.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CE5F7
RGB	108, 229, 247
RGB Percent	42%, 90%, 97%
CMY	0.5763, 0.1020, 0.0312
CMYK	0.56, 0.07, 0.00, 0.03
HSL	188°, 90%, 70%
HSV	188°, 56%, 97%
XYZ	50.9993, 65.9422, 98.0640
YIQ	194.8730, -77.8940, -20.0540

# Conversions

## Conversions Part 2

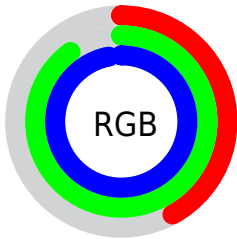
Format	Color
<a href="#">RYB</a>	108, 173, 247
Decimal	7136759
CIELab	84.97, -28.90, -19.06
CIELCh	85, 34.624, 213.406
Yxy	65.9422, 0.2372, 0.3067
Android (android.graphics.Color)	4285326839 (0xFF6CE5F7)
YUV	194.8730, 25.6986, -76.1876
Hunter-Lab	81.2048, -30.0045, -14.7561

# Details

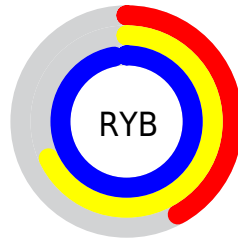
The Yxy color **65.9422, 0.2372, 0.3067** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8061, 0.4718, 0.3479**, and the grayscale version is **54.3804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **33.9558, 0.2199, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **62.8504, 0.2285, 0.3021**, and if you desaturate by 10%, it is **69.5104, 0.2477, 0.3112**.

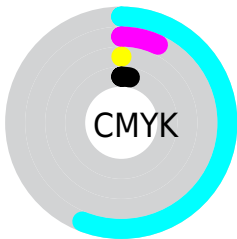
# Distribution



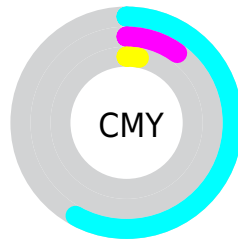
- Red (42%)
- Green (90%)
- Blue (97%)



- Red (42%)
- Yellow (68%)
- Blue (97%)



- Cyan (56%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (58%)
- Magenta (10%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9422, 0.2372, 0.3067 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 65.9422, 0.2372, 0.3067 by changing the saturation by 10% instead.




 65.9422, 0.2372,  
0.3067


 65.9422, 0.2372,  
0.3067

446.1701, 0.2717,  
0.3182


 48.2255, 0.2295,  
0.3038


 113.4034, 0.2490,  
0.3109

 34.0055, 0.2201,  
0.3001


 143.9166, 0.2537,  
0.3125

 22.8978, 0.2084,  
0.2953


 179.4642, 0.2577,  
0.3138

 14.5181, 0.1934,  
0.2886

220.4304, 0.2612,  
0.3149

 8.4819, 0.1737,  
0.2790

267.1997, 0.2643,  
0.3159

 4.4048, 0.1469,  
0.2642

320.1565, 0.2670,

 1.9025, 0.1094,

0.3168

0.2393

379.6852, 0.2695,  
0.3175

■ 0.5499, 0.0000,  
0.1936

■ 0.0000, 0.0000,  
0.0000

■ 65.9422, 0.2372,  
0.3067

■ 65.9422, 0.2372,  
0.3067

■ 62.8504, 0.2285,  
0.3021

■ 69.5104, 0.2477,  
0.3112

■ 60.1894, 0.2217,  
0.2975


■ 73.5815, 0.2599,  
0.3155


■ 57.9167, 0.2169,  
0.2929

■ 78.1886, 0.2733,  
0.3196

■ 55.9767, 0.2138,  
0.2883


■ 83.3596, 0.2878,  
0.3234

 55.3054, 0.2130,  
0.2867

 89.1206, 0.3030,  
0.3269

 95.2561, 0.3177,  
0.3302

 97.2470, 0.3175,  
0.3332

 99.2719, 0.3173,  
0.3363

 99.4976, 0.3173,  
0.3366

# Harmonies

## Analogous

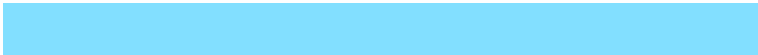
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9422, 0.2584, 0.3485



65.9422, 0.2372, 0.3067



65.9422, 0.2347, 0.2754

# Triad

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



65.9422, 0.2372, 0.3067



65.9422, 0.3268, 0.2798



65.9422, 0.3752, 0.4004

# Complementary

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



65.9422, 0.2372, 0.3067



35.8061, 0.4718, 0.3479

# 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.



65.9422, 0.3968, 0.3758



65.9422, 0.2372, 0.3067



65.9422, 0.3683, 0.3081

# Square

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



65.9422, 0.2372, 0.3067



65.9422, 0.2839, 0.2627



65.9422, 0.3945, 0.3423



65.9422, 0.3374, 0.4061

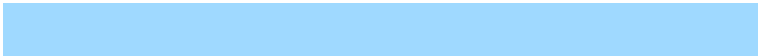


# Rectangle

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



65.9422, 0.2372, 0.3067



65.9422, 0.2437, 0.2635



65.9422, 0.3945, 0.3423



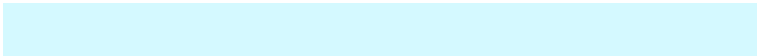
65.9422, 0.3847, 0.3938

# Sweetspot

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



65.9447, 0.2372, 0.3067



89.1477, 0.2867, 0.3231



71.1960, 0.2975, 0.4912



18.8332, 0.2837, 0.3224



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.



65.9447, 0.2372, 0.3067



66.9882, 0.2271, 0.3013



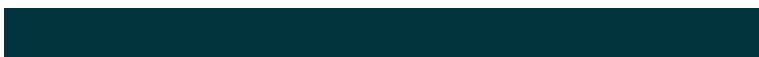
35.5102, 0.2178, 0.2161



18.3693, 0.2981, 0.3258



29.3887, 0.2132, 0.2874



2.6831, 0.2148, 0.2931



# Inverse Universe

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



36.1709, 0.3363, 0.2102



33.0888, 0.3423, 0.1924



59.3383, 0.4244, 0.4175



16.7291, 0.3158, 0.3087



13.0662, 0.3567, 0.1738

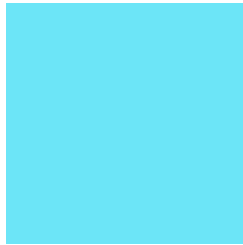


1.1585, 0.3515, 0.1710



# Previews

## White Background



This preview shows how the Yxy color 65.9422, 0.2372, 0.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

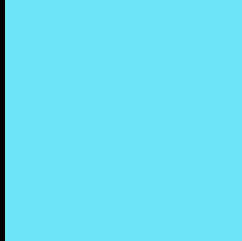
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9422, 0.2372, 0.3067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

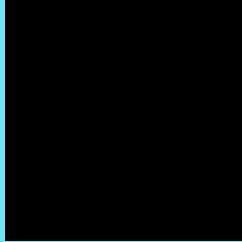
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9422, 0.2372, 0.3067**

## Background



This preview shows how black text looks on a background with the Yxy color 65.9422, 0.2372, 0.3067.

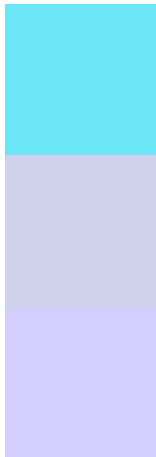


This preview shows how white text looks on a background with the Yxy color 65.9422, 0.2372, 0.3067.

# 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

65.9422, 0.2372, 0.3067

### Protanopia

64.9513, 0.2952, 0.3012

### Deuteranopia

65.0198, 0.2858, 0.2795



## Tritanopia

65.9422, 0.2372, 0.3067

# Trichromacy



## Original Color

65.9422, 0.2372, 0.3067

## Protanomaly

64.1144, 0.2692, 0.3020

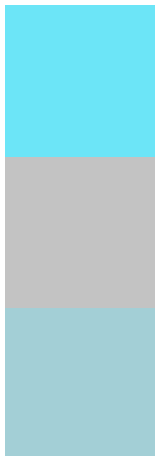
## Deuteranomaly

63.9939, 0.2641, 0.2877

## Tritanomaly

65.9422, 0.2372, 0.3067

# Monochromacy



## Original Color

65.9422, 0.2372, 0.3067

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

57.2672, 0.2770, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9422, 0.2372, 0.3067 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, 229, 247)` looks like.

```
.text, #text, p{  
    color:rgb(108, 229, 247)  
}
```

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, 229, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 229, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9422, 0.2372, 0.3067 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, 229, 247) }
```

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

```
.border{ border-color:rgb(108, 229, 247) }
```

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

Here you see how a box with a 4 pixel rgb(108, 229, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 229, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 229, 247);  
box-shadow:4px 4px 4px 4px rgb(108, 229,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9422, 0.2372, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 229, 247) }
```

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

```
.background{ background-color: rgb(108,  
229, 247) }
```

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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