

# Converting Colors

$Yxy(63.0032, 0.2261, 0.2916)$

Have a look what the booklet for  
Yxy(63.0032, 0.2261, 0.2916)  
contains.

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# Color

**Yxy(63.0967, 0.2262, 0.2918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57E1FF
RGB	87, 225, 255
RGB Percent	34%, 88%, 100%
CMY	0.6586, 0.1177, 0.0000
CMYK	0.66, 0.12, 0.00, 0.00
HSL	191°, 100%, 67%
HSV	191°, 66%, 100%
XYZ	48.9118, 63.0967, 104.2242
YIQ	187.1580, -91.8780, -19.9260

# Conversions

## Conversions Part 2

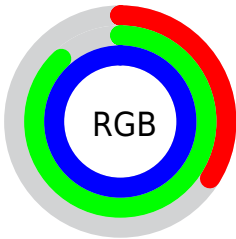
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 163, 255
Decimal	5759487
CIE Lab	83.49, -28.17, -25.57
CIE LCh	83, 38.043, 222.223
Yxy	63.0967, 0.2262, 0.2918
Android (android.graphics.Color)	4283949567 (0xFF57E1FF)
YUV	187.1580, 33.4461, -87.8386
Hunter-Lab	79.4334, -29.0956, -22.1907

# Details

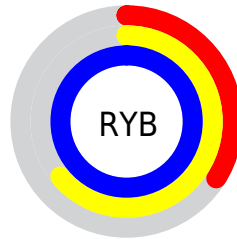
The Yxy color **63.0967, 0.2262, 0.2918** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.6876, 0.5078, 0.3571**, and the grayscale version is **49.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.6480, 0.2187, 0.2853**, and if you desaturate by 10%, it is **67.0466, 0.2357, 0.2983**.

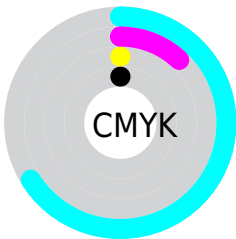
# Distribution



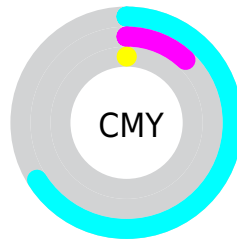
- Red (34%)
- Green (88%)
- Blue (100%)



- Red (34%)
- Yellow (64%)
- Blue (100%)



- Cyan (66%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0967, 0.2262, 0.2918 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 63.0967, 0.2262, 0.2918 by changing the saturation by 10% instead.




 63.0967, 0.2262,  
0.2918


 63.0967, 0.2262,  
0.2918

435.9203, 0.2656,  
0.3105


 45.9194, 0.2174,  
0.2872

 109.3090, 0.2397,  
0.2986


 32.1823, 0.2068,  
0.2814


 139.1128, 0.2450,  
0.3011

 21.5007, 0.1935,  
0.2738


 173.8943, 0.2496,  
0.3033

 13.4905, 0.1767,  
0.2636

 214.0379, 0.2536,  
0.3051

 7.7672, 0.1549,  
0.2493

259.9278, 0.2572,  
0.3068

 3.9463, 0.1259,  
0.2280

311.9487, 0.2603,

 1.6436, 0.0866,

0.3082

0.1945

370.4847, 0.2631,  
0.3094

■ 0.3867, 0.0000,  
0.1206

■ 0.0000, 0.0000,  
0.0000

■ 63.0967, 0.2262,  
0.2918

■ 63.0967, 0.2262,  
0.2918

■ 59.6480, 0.2187,  
0.2853

■ 67.0466, 0.2357,  
0.2983

■ 56.6488, 0.2131,  
0.2788

■ 71.5359, 0.2469,  
0.3046

■ 54.0402, 0.2094,  
0.2723

■ 76.6026, 0.2596,  
0.3106

■ 53.0378, 0.2082,  
0.2697

■ 82.2798, 0.2735,  
0.3162

■ 88.5981, 0.2883,  
0.3215

■ 95.5857, 0.3036,  
0.3264

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



63.0967, 0.2435, 0.3363



63.0967, 0.2262, 0.2918



63.0967, 0.2297, 0.2625

# Triad

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



63.0967, 0.2262, 0.2918



63.0967, 0.3427, 0.2827



63.0967, 0.3709, 0.4130

# Complementary

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



63.0967, 0.2262, 0.2918



34.6876, 0.5078, 0.3571

# 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.



63.0967, 0.4016, 0.3900



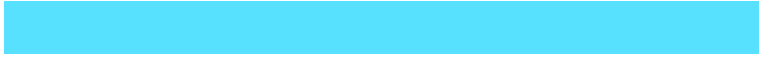
63.0967, 0.2262, 0.2918



63.0967, 0.3857, 0.3162

# Square

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



63.0967, 0.2262, 0.2918



63.0967, 0.2938, 0.2598



63.0967, 0.4077, 0.3544

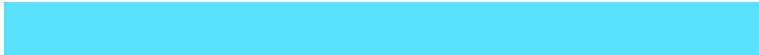


63.0967, 0.3258, 0.4122

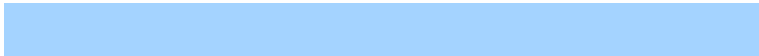


# Rectangle

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



63.0967, 0.2262, 0.2918



63.0967, 0.2434, 0.2535



63.0967, 0.4077, 0.3544



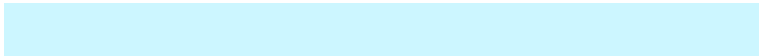
63.0967, 0.3833, 0.4075

# Sweetspot

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



63.0977, 0.2262, 0.2918



85.9009, 0.2821, 0.3194



74.7884, 0.2931, 0.5123



18.0084, 0.2780, 0.3179



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

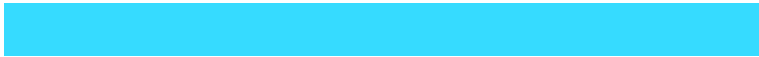


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0977, 0.2262, 0.2918



58.6594, 0.2167, 0.2832



28.9071, 0.1998, 0.1815



19.8968, 0.2980, 0.3246



27.9139, 0.2085, 0.2707



2.8556, 0.2106, 0.2781



# Inverse Universe

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



33.5228, 0.3500, 0.2015



28.9716, 0.3593, 0.1881



62.8059, 0.4402, 0.4361



18.2414, 0.3165, 0.3097



13.5459, 0.3721, 0.1824

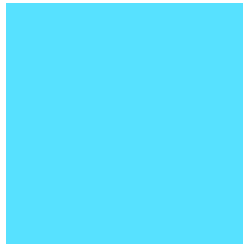


1.3328, 0.3652, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 63.0967, 0.2262, 0.2918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

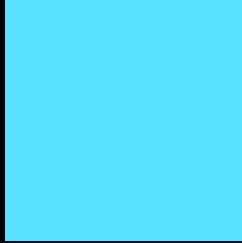
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0967, 0.2262, 0.2918 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 63.0967, 0.2262, 0.2918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0967, 0.2262, 0.2918.

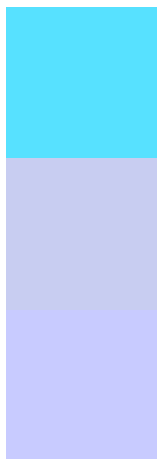


This preview shows how white text looks on a background with the Yxy color 63.0967, 0.2262, 0.2918.

# 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

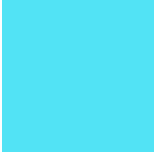
63.0967, 0.2262, 0.2918

### Protanopia

62.2929, 0.2851, 0.2886

### Deuteranopia

62.2112, 0.2764, 0.2720



## Tritanopia

63.3246, 0.2293, 0.3061

# Trichromacy



## Original Color

63.0967, 0.2262, 0.2918



## Protanomaly

61.1117, 0.2573, 0.2887



## Deuteranomaly

61.1795, 0.2526, 0.2777



## Tritanomaly

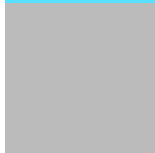
63.1171, 0.2280, 0.3001

# Monochromacy



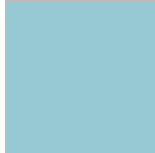
## Original Color

63.0967, 0.2262, 0.2918



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

53.1061, 0.2698, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0967, 0.2262, 0.2918 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(87, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 225, 255)  
}
```

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(87, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 225, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0967, 0.2262, 0.2918 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(87, 225, 255) }
```

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

```
.border{ border-color:rgb(87, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 225,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0967, 0.2262, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 225, 255) }
```

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

```
.background{ background-color: rgb(87, 225,  
255) }
```

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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