

# Converting Colors

$Y_{xy}(72.9560, 0.2181, 0.2253)$

Have a look what the booklet for  
Yxy(72.9560, 0.2181, 0.2253)  
contains.

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# Color

**Yxy(67.3635, 0.2469, 0.2949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EE2FF
RGB	142, 226, 255
RGB Percent	56%, 89%, 100%
CMY	0.4433, 0.1137, 0.0000
CMYK	0.44, 0.11, 0.00, 0.00
HSL	195°, 100%, 78%
HSV	195°, 44%, 100%
XYZ	56.3989, 67.3635, 104.6658
YIQ	204.1900, -59.3730, -8.7890

# Conversions

## Conversions Part 2

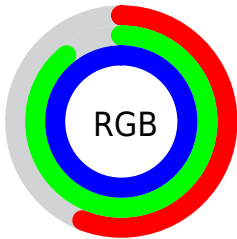
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 190, 255
Decimal	9364223
CIE <sub>Lab</sub>	85.69, -18.15, -22.06
CIE <sub>LCh</sub>	86, 28.566, 230.560
Yxy	67.3635, 0.2469, 0.2949
Android (android.graphics.Color)	4287554303 (0xFF8EE2FF)
YUV	204.1900, 25.0493, -54.5406
Hunter-Lab	82.0753, -20.9734, -18.1564

# Details

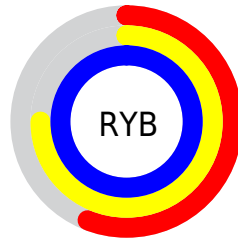
The Yxy color **67.3635, 0.2469, 0.2949** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.3150, 0.4171, 0.3597**, and the grayscale version is **60.3695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **35.0879, 0.2325, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **61.8722, 0.2345, 0.2858**, and if you desaturate by 10%, it is **73.5069, 0.2606, 0.3037**.

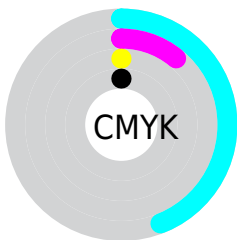
# Distribution



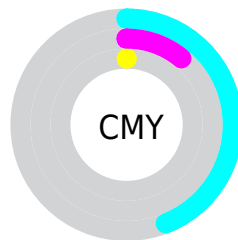
- Red (56%)
- Green (89%)
- Blue (100%)



- Red (56%)
- Yellow (75%)
- Blue (100%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3635, 0.2469, 0.2949 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 67.3635, 0.2469, 0.2949 by changing the saturation by 10% instead.





 67.3635, 0.2469,  
0.2949

 67.3635, 0.2469,  
0.2949


451.2376, 0.2769,  
0.3114

 49.3801, 0.2402,  
0.2910


 115.4411, 0.2572,  
0.3008

 34.9211, 0.2320,  
0.2861


 146.3041, 0.2613,  
0.3030

 23.6021, 0.2217,  
0.2797

182.2291, 0.2647,  
0.3049

 15.0387, 0.2086,  
0.2713

223.6004, 0.2678,  
0.3066

 8.8466, 0.1913,  
0.2597

270.8026, 0.2705,  
0.3080

 4.6412, 0.1676,  
0.2426

324.2199, 0.2729,

 2.0383, 0.1338,

0.3093

0.2159

384.2367, 0.2750,  
0.3104

0.6296, 0.0426,  
0.1727

0.0000, 0.0000,  
0.0000

67.3635, 0.2469,  
0.2949

67.3635, 0.2469,  
0.2949

61.8722, 0.2345,  
0.2858

73.5069, 0.2606,  
0.3037

56.9949, 0.2236,  
0.2763

80.3351, 0.2753,  
0.3118

52.6902, 0.2146,  
0.2666

87.8796, 0.2905,  
0.3194

48.9099, 0.2077,  
0.2569

96.1693, 0.3060,  
0.3262

■ 45.5951, 0.2027,  
0.2472

100.0000, 0.3127,  
0.3290

■ 43.8767, 0.2005,  
0.2419

# Harmonies

## Analogous

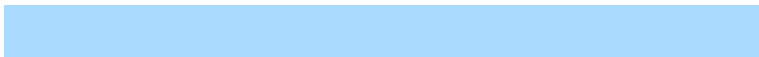
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3635, 0.2560, 0.3254



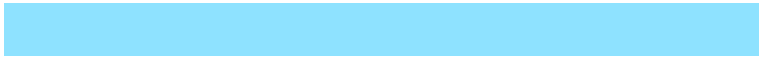
67.3635, 0.2469, 0.2949



67.3635, 0.2540, 0.2760

# Triad

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



67.3635, 0.2469, 0.2949



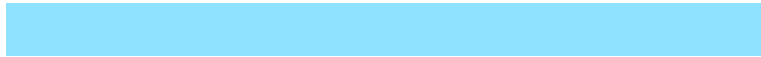
67.3635, 0.3447, 0.3008



67.3635, 0.3478, 0.3923

# Complementary

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



67.3635, 0.2469, 0.2949



52.3150, 0.4171, 0.3597

# 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.



67.3635, 0.3738, 0.3810



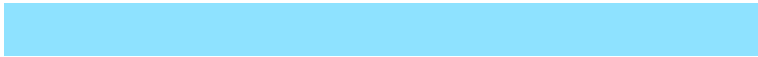
67.3635, 0.2469, 0.2949



67.3635, 0.3725, 0.3281

# Square

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



67.3635, 0.2469, 0.2949



67.3635, 0.3090, 0.2805



67.3635, 0.3833, 0.3570

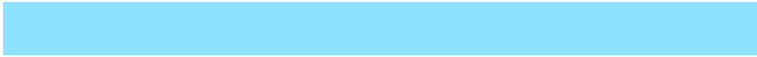


67.3635, 0.3133, 0.3848



# Rectangle

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



67.3635, 0.2469, 0.2949



67.3635, 0.2673, 0.2714



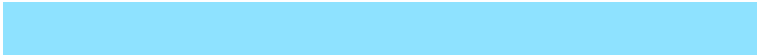
67.3635, 0.3833, 0.3570



67.3635, 0.3579, 0.3904

# Sweetspot

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



67.3638, 0.2469, 0.2949



88.9413, 0.2926, 0.3203



80.1767, 0.2927, 0.4331



18.6625, 0.2892, 0.3187



0.0000, 0.0000, 0.0000

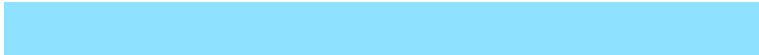


21.4041, 0.3127, 0.3290

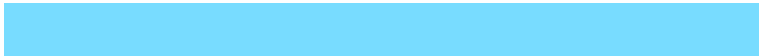


# Same Dimension

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



67.3638, 0.2469, 0.2949



62.5682, 0.2360, 0.2870



41.7954, 0.2347, 0.2250



19.6464, 0.2980, 0.3228



23.1796, 0.2010, 0.2434



2.4326, 0.2040, 0.2544



# Inverse Universe

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



46.0825, 0.3435, 0.2449



39.8423, 0.3517, 0.2301



78.0061, 0.3905, 0.4143



18.2161, 0.3177, 0.3115



13.0680, 0.3988, 0.1971

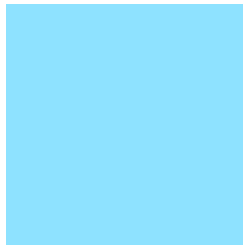


1.2901, 0.3879, 0.1911



# Previews

## White Background



This preview shows how the Yxy color 67.3635, 0.2469, 0.2949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

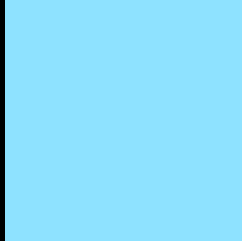
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3635, 0.2469, 0.2949 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 67.3635, 0.2469, 0.2949**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3635, 0.2469, 0.2949.



This preview shows how white text looks on a background with the Yxy color 67.3635, 0.2469, 0.2949.

# 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

67.3635, 0.2469, 0.2949

### Protanopia

66.4465, 0.2877, 0.2918

### Deuteranopia

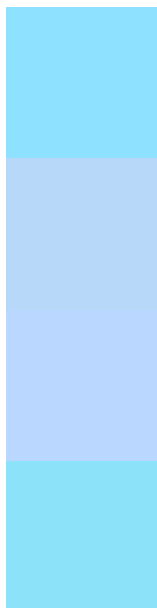
66.6698, 0.2842, 0.2798



## Tritanopia

67.6296, 0.2501, 0.3074

# Trichromacy



**Original Color**

67.3635, 0.2469, 0.2949

**Protanomaly**

66.0186, 0.2703, 0.2917

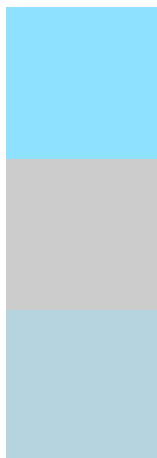
**Deuteranomaly**

66.2600, 0.2687, 0.2844

**Tritanomaly**

67.3532, 0.2490, 0.3028

# Monochromacy



**Original Color**

67.3635, 0.2469, 0.2949

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

62.2384, 0.2838, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3635, 0.2469, 0.2949 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(142, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 226, 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(142, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 226, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3635, 0.2469, 0.2949 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(142, 226, 255) }
```

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

```
.border{ border-color:rgb(142, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 226, 255); box-shadow:4px 4px 4px 4px rgb(142, 226, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3635, 0.2469, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 226, 255) }
```

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

```
.background{ background-color: rgb(142,  
226, 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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