

# Converting Colors

$Yxy(67.4231, 0.2608, 0.2957)$

Have a look what the booklet for  
Yxy(67.4231, 0.2608, 0.2957)  
contains.

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# Color

**Yxy(67.4231, 0.2608, 0.2957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7DEFB
RGB	167, 222, 251
RGB Percent	65%, 87%, 98%
CMY	0.3451, 0.1294, 0.0158
CMYK	0.33, 0.12, 0.00, 0.02
HSL	201°, 91%, 82%
HSV	201°, 33%, 98%
XYZ	59.4655, 67.4231, 101.1232
YIQ	208.8610, -42.0890, -2.6410

# Conversions

## Conversions Part 2

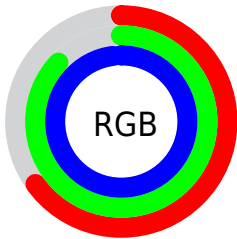
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	167, 200, 251
Decimal	11001595
CIE Lab	85.72, -10.80, -19.76
CIE LCh	86, 22.514, 241.347
Yxy	67.4231, 0.2608, 0.2957
Android (android.graphics.Color)	4289191675 (0xFFA7DEFB)
YUV	208.8610, 20.7745, -36.7121
Hunter-Lab	82.1116, -14.4249, -15.5396

# Details

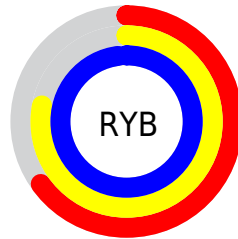
The Yxy color **67.4231, 0.2608, 0.2957** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7561, 0.3812, 0.3598**, and the grayscale version is **63.5480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **34.9772, 0.2491, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **60.4714, 0.2461, 0.2838**, and if you desaturate by 10%, it is **75.1466, 0.2762, 0.3067**.

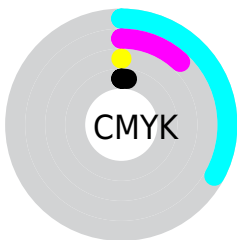
# Distribution



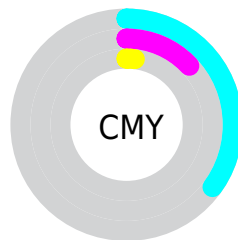
- Red (65%)
- Green (87%)
- Blue (98%)



- Red (65%)
- Yellow (78%)
- Blue (98%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (35%)
- Magenta (13%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4231, 0.2608, 0.2957 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 67.4231, 0.2608, 0.2957 by changing the saturation by 10% instead.



67.4231, 0.2608,  
0.2957

67.4231, 0.2608,  
0.2957

451.4493, 0.2847,  
0.3116

49.4285, 0.2554,  
0.2920

115.5265, 0.2690,  
0.3013

34.9596, 0.2488,  
0.2874

146.4041, 0.2723,  
0.3034

23.6317, 0.2405,  
0.2815

182.3448, 0.2750,  
0.3053

15.0607, 0.2297,  
0.2737

223.7331, 0.2775,  
0.3069

8.8620, 0.2153,  
0.2629

270.9532, 0.2796,  
0.3083

4.6513, 0.1952,  
0.2473

324.3898, 0.2815,

2.0441, 0.1654,

0.3095

0.2228

384.4270, 0.2832,  
0.3106

0.6329, 0.0961,  
0.1799

0.0000, 0.0000,  
0.0000

67.4231, 0.2608,  
0.2957

67.4231, 0.2608,  
0.2957

60.4714, 0.2461,  
0.2838

75.1466, 0.2762,  
0.3067

54.2491, 0.2324,  
0.2713

83.6657, 0.2918,  
0.3169

48.7215, 0.2201,  
0.2582

93.0127, 0.3074,  
0.3260

43.8466, 0.2096,  
0.2448

99.7433, 0.3150,  
0.3328

■ 39.5765, 0.2012,  
0.2314

■ 35.8535, 0.1948,  
0.2182

■ 33.6616, 0.1916,  
0.2097

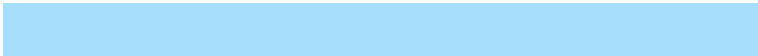
# Harmonies

## Analogous

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



67.4231, 0.2635, 0.3172



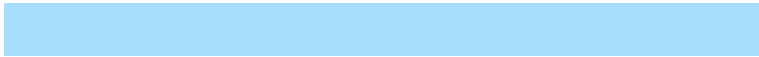
67.4231, 0.2608, 0.2957



67.4231, 0.2711, 0.2842

# Triad

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



67.4231, 0.2608, 0.2957



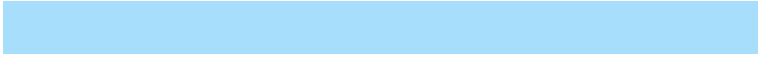
67.4231, 0.3469, 0.3141



67.4231, 0.3313, 0.3781

# Complementary

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



67.4231, 0.2608, 0.2957



62.7561, 0.3812, 0.3598

# 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.



67.4231, 0.3549, 0.3748



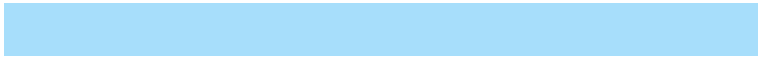
67.4231, 0.2608, 0.2957



67.4231, 0.3645, 0.3372

# Square

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



67.4231, 0.2608, 0.2957



67.4231, 0.3203, 0.2952



67.4231, 0.3674, 0.3593



67.4231, 0.3035, 0.3666



# Rectangle

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



67.4231, 0.2608, 0.2957



67.4231, 0.2844, 0.2831



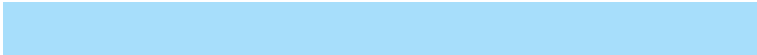
67.4231, 0.3674, 0.3593



67.4231, 0.3401, 0.3786

# Sweetspot

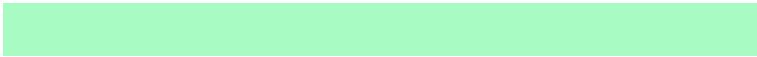
The Sweet Spot groups the original color and five complimentary colors.



67.4258, 0.2608, 0.2957



89.9966, 0.2972, 0.3201



81.1323, 0.2933, 0.3948



18.9771, 0.2950, 0.3188



0.0000, 0.0000, 0.0000

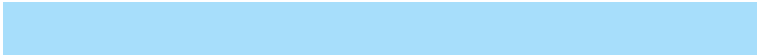


21.4041, 0.3127, 0.3290

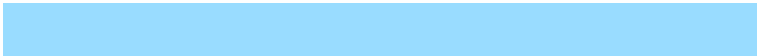


# Same Dimension

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



67.4258, 0.2608, 0.2957



65.0840, 0.2510, 0.2880



48.2231, 0.2544, 0.2460



18.5416, 0.2980, 0.3206



17.9804, 0.1922, 0.2118



1.8629, 0.1965, 0.2274



# Inverse Universe

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



53.4147, 0.3405, 0.2724



49.2002, 0.3479, 0.2612



83.8492, 0.3676, 0.4001



17.4169, 0.3191, 0.3136



12.2260, 0.4321, 0.2154

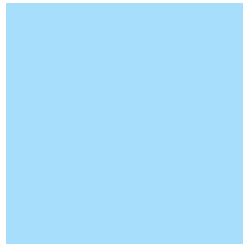


1.1523, 0.4153, 0.2062



# Previews

## White Background



This preview shows how the Yxy color 67.4231, 0.2608, 0.2957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

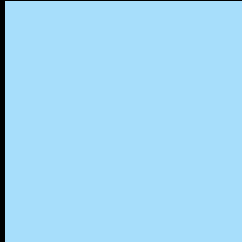
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.4231, 0.2608, 0.2957 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 67.4231, 0.2608, 0.2957**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4231, 0.2608, 0.2957.

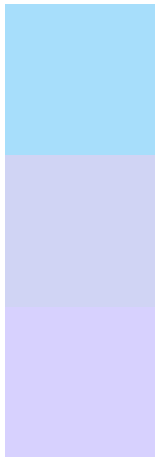


This preview shows how white text looks on a background with the Yxy color 67.4231, 0.2608, 0.2957.

# 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

67.4231, 0.2608, 0.2957

### Protanopia

67.0285, 0.2890, 0.2940

### Deuteranopia

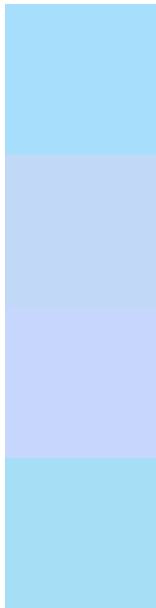
67.2038, 0.2875, 0.2811



## Tritanopia

67.7214, 0.2646, 0.3079

# Trichromacy



**Original Color**

67.4231, 0.2608, 0.2957

**Protanomaly**

67.1646, 0.2776, 0.2944

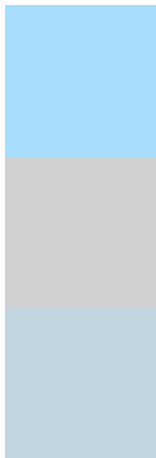
**Deuteranomaly**

67.1908, 0.2772, 0.2863

**Tritanomaly**

67.4749, 0.2635, 0.3034

# Monochromacy



**Original Color**

67.4231, 0.2608, 0.2957

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

64.9443, 0.2920, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4231, 0.2608, 0.2957 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(167, 222, 251)` looks like.

```
.text, #text, p{  
    color:rgb(167, 222, 251)  
}
```

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(167, 222, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 222, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4231, 0.2608, 0.2957 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(167, 222, 251) }
```

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

```
.border{ border-color:rgb(167, 222, 251) }
```

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

Here you see how a box with a 4 pixel rgb(167, 222, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(167, 222,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4231, 0.2608, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 222, 251) }
```

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

```
.background{ background-color: rgb(167,  
222, 251) }
```

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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