

# Converting Colors

$Yxy(67.9947, 0.2578, 0.2924)$

Have a look what the booklet for  
Yxy(67.9947, 0.2578, 0.2924)  
contains.

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# Color

**Yxy(67.9947, 0.2578, 0.2924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5DFFF
RGB	165, 223, 255
RGB Percent	65%, 87%, 100%
CMY	0.3532, 0.1254, 0.0000
CMYK	0.35, 0.13, 0.00, 0.00
HSL	201°, 100%, 82%
HSV	201°, 35%, 100%
XYZ	59.9488, 67.9947, 104.5965
YIQ	209.3060, -44.8400, -2.3440

# Conversions

## Conversions Part 2

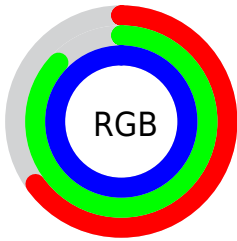
Format	Color
R <sub>Y</sub> B	165, 200, 255
Decimal	10870783
CIE Lab	86.00, -10.88, -21.47
CIE LCh	86, 24.069, 243.137
Yxy	67.9947, 0.2578, 0.2924
Android (android.graphics.Color)	4289060863 (0xFFA5DFFF)
YUV	209.3060, 22.5271, -38.8564
Hunter-Lab	82.4589, -14.5310, -17.4863

# Details

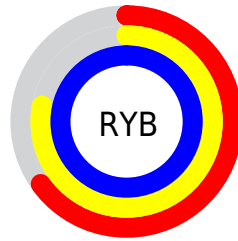
The Yxy color **67.9947, 0.2578, 0.2924** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8746, 0.3859, 0.3626**, and the grayscale version is **63.8354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **35.3975, 0.2457, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **60.8179, 0.2431, 0.2800**, and if you desaturate by 10%, it is **75.9769, 0.2732, 0.3040**.

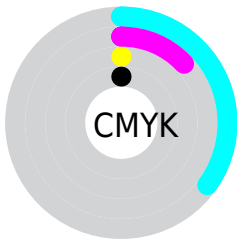
# Distribution



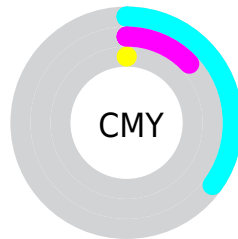
- Red (65%)
- Green (87%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9947, 0.2578, 0.2924 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 67.9947, 0.2578, 0.2924 by changing the saturation by 10% instead.



 67.9947, 0.2578,  
0.2924


 67.9947, 0.2578,  
0.2924


453.4772, 0.2830,  
0.3098

 49.8934, 0.2521,  
0.2884


 116.3446, 0.2665,  
0.2985

 35.3287, 0.2452,  
0.2833


 147.3619, 0.2699,  
0.3008

 23.9162, 0.2365,  
0.2769

183.4535, 0.2728,  
0.3029

 15.2715, 0.2253,  
0.2685

225.0035, 0.2753,  
0.3046

 9.0101, 0.2104,  
0.2569

272.3966, 0.2776,  
0.3061

 4.7478, 0.1896,  
0.2403

326.0169, 0.2796,

 2.1001, 0.1594,

0.3075

0.2145

386.2490, 0.2814,  
0.3087

0.6647, 0.0943,  
0.1711

0.0000, 0.0000,  
0.0000

67.9947, 0.2578,  
0.2924

67.9947, 0.2578,  
0.2924

60.8179, 0.2431,  
0.2800

75.9769, 0.2732,  
0.3040

54.4078, 0.2295,  
0.2669

84.7960, 0.2888,  
0.3146

48.7248, 0.2174,  
0.2533

94.4845, 0.3045,  
0.3243

43.7242, 0.2071,  
0.2395

100.0000, 0.3127,  
0.3290

■ 39.3540, 0.1989,  
0.2256

■ 35.5512, 0.1928,  
0.2121

■ 33.9247, 0.1905,  
0.2058

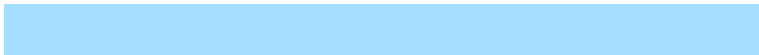
# Harmonies

## Analogous

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



67.9947, 0.2598, 0.3147



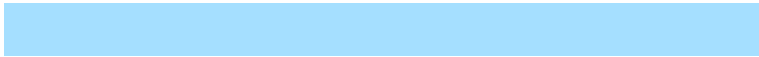
67.9947, 0.2578, 0.2924



67.9947, 0.2695, 0.2811

# Triad

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



67.9947, 0.2578, 0.2924



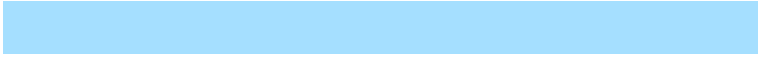
67.9947, 0.3507, 0.3145



67.9947, 0.3307, 0.3812

# Complementary

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



67.9947, 0.2578, 0.2924



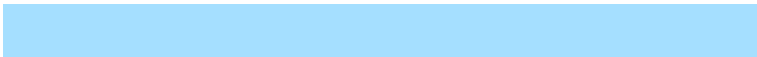
63.8746, 0.3859, 0.3626

# 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.



67.9947, 0.3564, 0.3784



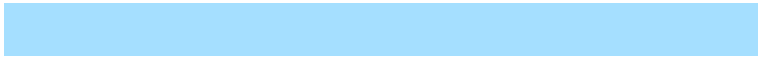
67.9947, 0.2578, 0.2924



67.9947, 0.3686, 0.3390

# Square

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



67.9947, 0.2578, 0.2924



67.9947, 0.3225, 0.2941



67.9947, 0.3706, 0.3624

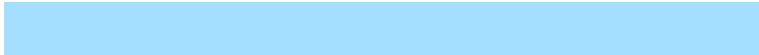


67.9947, 0.3010, 0.3681



# Rectangle

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



67.9947, 0.2578, 0.2924



67.9947, 0.2840, 0.2804



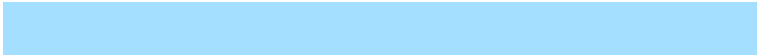
67.9947, 0.3706, 0.3624



67.9947, 0.3402, 0.3820

# Sweetspot

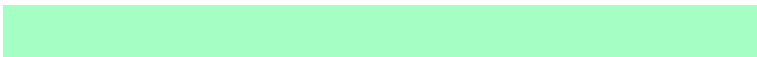
The Sweet Spot groups the original color and five complimentary colors.



67.9954, 0.2578, 0.2924



88.8701, 0.2956, 0.3189



83.5197, 0.2915, 0.3973



18.7442, 0.2935, 0.3176



0.0000, 0.0000, 0.0000

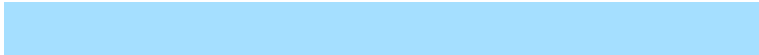


21.4041, 0.3127, 0.3290

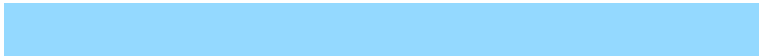


# Same Dimension

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



67.9954, 0.2578, 0.2924



63.1117, 0.2479, 0.2842



47.2335, 0.2504, 0.2387



19.3321, 0.2980, 0.3204



18.0185, 0.1911, 0.2080



1.9606, 0.1954, 0.2234



# Inverse Universe

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



53.4777, 0.3434, 0.2700



47.4161, 0.3513, 0.2589



87.1763, 0.3704, 0.4055



18.1844, 0.3193, 0.3138



12.5469, 0.4363, 0.2177

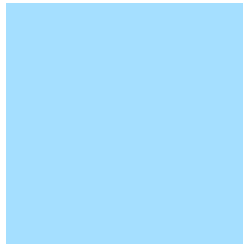


1.2425, 0.4196, 0.2085



# Previews

## White Background



This preview shows how the Yxy color 67.9947, 0.2578, 0.2924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

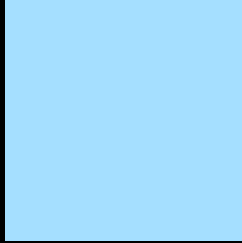
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9947, 0.2578, 0.2924 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

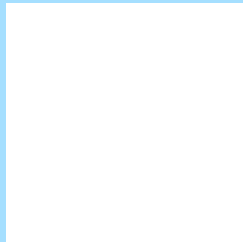
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9947, 0.2578, 0.2924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9947, 0.2578, 0.2924.

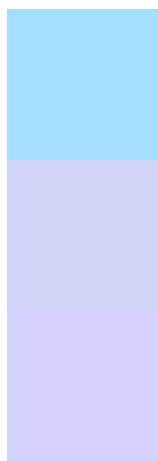


This preview shows how white text looks on a background with the Yxy color 67.9947, 0.2578, 0.2924.

# 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

67.9947, 0.2578, 0.2924

### Protanopia

67.7757, 0.2866, 0.2910

### Deuteranopia

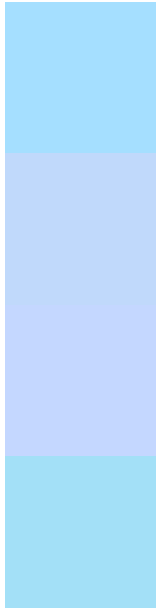
67.6093, 0.2862, 0.2812



## Tritanopia

68.0029, 0.2626, 0.3079

# Trichromacy



**Original Color**

67.9947, 0.2578, 0.2924

**Protanomaly**

67.7972, 0.2748, 0.2913

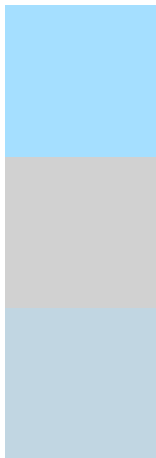
**Deuteranomaly**

67.5566, 0.2749, 0.2852

**Tritanomaly**

67.8132, 0.2610, 0.3023

# Monochromacy



**Original Color**

67.9947, 0.2578, 0.2924

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

64.9216, 0.2901, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9947, 0.2578, 0.2924 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(165, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 223, 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(165, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 223, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9947, 0.2578, 0.2924 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(165, 223, 255) }
```

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

```
.border{ border-color:rgb(165, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 223,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9947, 0.2578, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 223, 255) }
```

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

```
.background{ background-color: rgb(165,  
223, 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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