

# Converting Colors

$Yxy(67.7212, 0.2547, 0.3078)$

Have a look what the booklet for  
Yxy(67.7212, 0.2547, 0.3078)  
contains.

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# Color

**Yxy(67.8266, 0.2547, 0.3076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94E3F5
RGB	148, 227, 245
RGB Percent	58%, 89%, 96%
CMY	0.4196, 0.1098, 0.0392
CMYK	0.40, 0.07, 0.00, 0.04
HSL	191°, 83%, 77%
HSV	191°, 40%, 96%
XYZ	56.1620, 67.8266, 96.5140
YIQ	205.4310, -52.8620, -11.1500

# Conversions

## Conversions Part 2

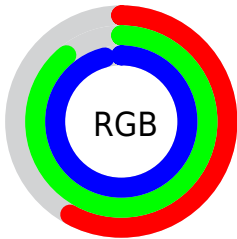
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 192, 245
Decimal	9757685
CIE <sub>Lab</sub>	85.92, -19.74, -16.40
CIE <sub>LCh</sub>	86, 25.661, 219.716
Yxy	67.8266, 0.2547, 0.3076
Android (android.graphics.Color)	4287947765 (0xFF94E3F5)
YUV	205.4310, 19.5075, -50.3670
Hunter-Lab	82.3569, -22.3993, -11.8321

# Details

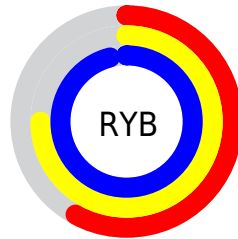
The Yxy color **67.8266, 0.2547, 0.3076** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8191, 0.4048, 0.3489**, and the grayscale version is **61.2388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **35.0241, 0.2409, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **63.3280, 0.2424, 0.3013**, and if you desaturate by 10%, it is **72.8795, 0.2682, 0.3136**.

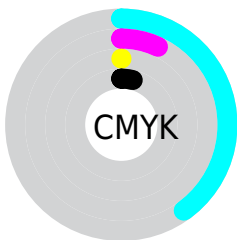
# Distribution



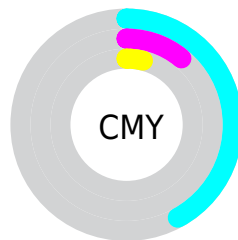
- Red (58%)
- Green (89%)
- Blue (96%)



- Red (58%)
- Yellow (75%)
- Blue (96%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (42%)
- Magenta (11%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8266, 0.2547, 0.3076 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 67.8266, 0.2547, 0.3076 by changing the saturation by 10% instead.





 67.8266, 0.2547,  
0.3076

 67.8266, 0.2547,  
0.3076


452.8814, 0.2813,  
0.3182

 49.7567, 0.2487,  
0.3050


 116.1040, 0.2639,  
0.3114

 35.2201, 0.2414,  
0.3018

 147.0804, 0.2674,  
0.3128

 23.8325, 0.2322,  
0.2976


183.1276, 0.2705,  
0.3141

 15.2094, 0.2203,  
0.2919

224.6302, 0.2732,  
0.3151

 8.9665, 0.2045,  
0.2838

271.9724, 0.2756,  
0.3160

 4.7193, 0.1824,  
0.2716

325.5388, 0.2777,

 2.0835, 0.1501,

0.3168

0.2514

385.7136, 0.2796,  
0.3175

0.6553, 0.0476,  
0.2212

0.0000, 0.0000,  
0.0000

67.8266, 0.2547,  
0.3076

67.8266, 0.2547,  
0.3076

63.3280, 0.2424,  
0.3013

72.8795, 0.2682,  
0.3136

59.3446, 0.2318,  
0.2947

78.5074, 0.2827,  
0.3193

55.8442, 0.2229,  
0.2879

84.7394, 0.2979,  
0.3244

52.7871, 0.2160,  
0.2811

91.6001, 0.3134,  
0.3292

■ 50.1262, 0.2110,  
0.2744

■ 96.0538, 0.3189,  
0.3336

■ 47.7868, 0.2077,  
0.2677

■ 98.9080, 0.3186,  
0.3379

■ 47.6945, 0.2076,  
0.2674

■ 99.3724, 0.3185,  
0.3386

# Harmonies

## Analogous

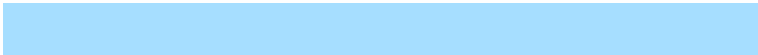
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8266, 0.2681, 0.3371



67.8266, 0.2547, 0.3076



67.8266, 0.2558, 0.2862

# Triad

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



67.8266, 0.2547, 0.3076



67.8266, 0.3302, 0.2960



67.8266, 0.3541, 0.3838

# Complementary

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



67.8266, 0.2547, 0.3076



48.8191, 0.4048, 0.3489

# 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.



67.8266, 0.3726, 0.3691



67.8266, 0.2547, 0.3076



67.8266, 0.3587, 0.3190

# Square

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



67.8266, 0.2547, 0.3076



67.8266, 0.2981, 0.2809



67.8266, 0.3745, 0.3453



67.8266, 0.3249, 0.3832



# Rectangle

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



67.8266, 0.2547, 0.3076



67.8266, 0.2646, 0.2787



67.8266, 0.3745, 0.3453



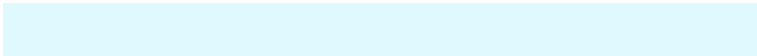
67.8266, 0.3618, 0.3803

# Sweetspot

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



67.8292, 0.2547, 0.3076



91.0833, 0.2942, 0.3232



74.3437, 0.2979, 0.4281



19.3007, 0.2922, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

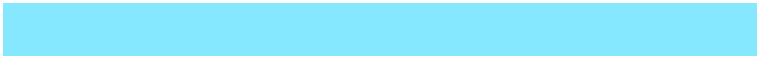


# Same Dimension

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



67.8292, 0.2547, 0.3076



70.0545, 0.2442, 0.3022



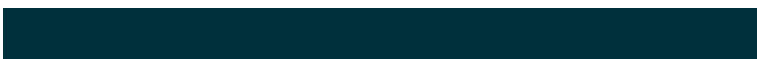
45.0144, 0.2453, 0.2467



18.2045, 0.2980, 0.3245



25.8856, 0.2079, 0.2685



2.4074, 0.2103, 0.2769



# Inverse Universe

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



46.1379, 0.3329, 0.2473



43.7688, 0.3385, 0.2309



69.7854, 0.3839, 0.3991



16.7125, 0.3166, 0.3099



12.7125, 0.3742, 0.1835

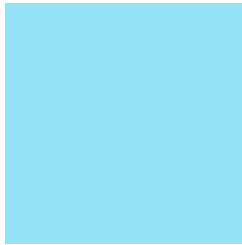


1.1307, 0.3663, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 67.8266, 0.2547, 0.3076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

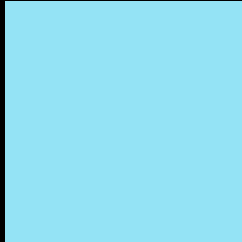
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8266, 0.2547, 0.3076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

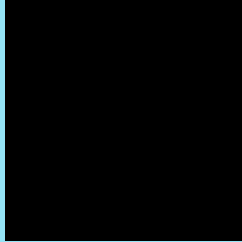
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.8266, 0.2547, 0.3076**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8266, 0.2547, 0.3076.

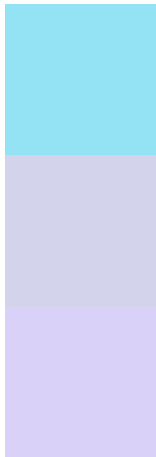


This preview shows how white text looks on a background with the Yxy color 67.8266, 0.2547, 0.3076.

# 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

67.8266, 0.2547, 0.3076

### Protanopia

66.9920, 0.2961, 0.3026

### Deuteranopia

67.3459, 0.2926, 0.2864



## Tritanopia

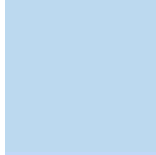
67.8266, 0.2547, 0.3076

# Trichromacy



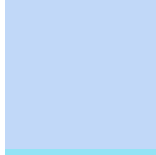
## Original Color

67.8266, 0.2547, 0.3076



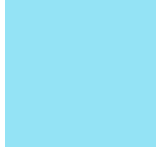
## Protanomaly

66.5491, 0.2792, 0.3039



## Deuteranomaly

67.2265, 0.2771, 0.2934



## Tritanomaly

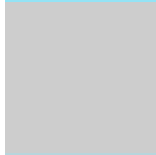
67.8266, 0.2547, 0.3076

# Monochromacy



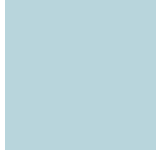
## Original Color

67.8266, 0.2547, 0.3076



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

62.9462, 0.2877, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.8266, 0.2547, 0.3076 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(148, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(148, 227, 245)  
}
```

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(148, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 227, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8266, 0.2547, 0.3076 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(148, 227, 245) }
```

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

```
.border{ border-color:rgb(148, 227, 245) }
```

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

Here you see how a box with a 4 pixel rgb(148, 227, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(148, 227,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8266, 0.2547, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 227, 245) }
```

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

```
.background{ background-color: rgb(148,  
227, 245) }
```

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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