

# Converting Colors

$Yxy(67.9876, 0.2497, 0.2954)$

Have a look what the booklet for  
Yxy(67.9876, 0.2497, 0.2954)  
contains.

<b>Yxy(67.9086, 0.2498, 0.2952)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.9086, 0.2498, 0.2952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94E2FF
RGB	148, 226, 255
RGB Percent	58%, 89%, 100%
CMY	0.4193, 0.1137, 0.0001
CMYK	0.42, 0.11, 0.00, 0.00
HSL	196°, 100%, 79%
HSV	196°, 42%, 100%
XYZ	57.4647, 67.9086, 104.6694
YIQ	205.9840, -55.7970, -7.5170

# Conversions

## Conversions Part 2

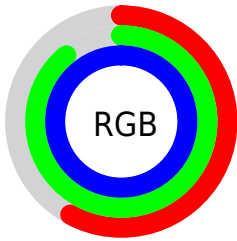
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 193, 255</a>
Decimal	<a href="#">9757439</a>
CIELab	<a href="#">85.96, -16.70, -21.59</a>
CIELCh	<a href="#">86, 27.294, 232.286</a>
Yxy	<a href="#">67.9086, 0.2498, 0.2952</a>
Android (android.graphics.Color)	<a href="#">4287947519</a> ( <a href="#">0xFF94E2FF</a> )
YUV	<a href="#">205.9840, 24.1649, -50.8520</a>
Hunter-Lab	<a href="#">82.4067, -19.7382, -17.6229</a>

# Details

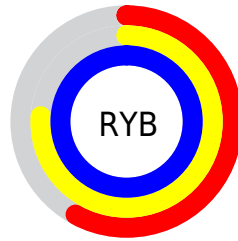
The Yxy color **67.9086, 0.2498, 0.2952** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.8610, 0.4086, 0.3597**, and the grayscale version is **61.5896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **35.4272, 0.2359, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **62.1043, 0.2368, 0.2856**, and if you desaturate by 10%, it is **74.3934, 0.2639, 0.3043**.

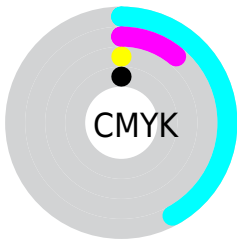
# Distribution



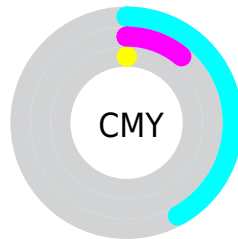
- Red (58%)
- Green (89%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9086, 0.2498, 0.2952 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 67.9086, 0.2498, 0.2952 by changing the saturation by 10% instead.





 67.9086, 0.2498,  
0.2952

 67.9086, 0.2498,  
0.2952

453.1721, 0.2785,  
0.3115

 49.8234, 0.2434,  
0.2913


 116.2214, 0.2597,  
0.3010

 35.2731, 0.2355,  
0.2865

 147.2177, 0.2635,  
0.3032

 23.8733, 0.2257,  
0.2803


183.2866, 0.2669,  
0.3051

 15.2397, 0.2131,  
0.2721

224.8123, 0.2698,  
0.3067

 8.9878, 0.1965,  
0.2608

272.1793, 0.2724,  
0.3081

 4.7332, 0.1736,  
0.2442

325.7721, 0.2746,

 2.0916, 0.1408,

0.3094

0.2183

385.9749, 0.2767,  
0.3105

0.6599, 0.0587,  
0.1764

0.0000, 0.0000,  
0.0000

67.9086, 0.2498,  
0.2952

67.9086, 0.2498,  
0.2952

62.1043, 0.2368,  
0.2856

74.3934, 0.2639,  
0.3043

56.9362, 0.2254,  
0.2755

81.5842, 0.2788,  
0.3128

52.3662, 0.2157,  
0.2653

89.5145, 0.2942,  
0.3206

48.3475, 0.2080,  
0.2549

98.2129, 0.3097,  
0.3277

■ 44.8241, 0.2024,  
0.2447

99.9988, 0.3127,  
0.3290

■ 42.2753, 0.1990,  
0.2365

# Harmonies

## Analogous

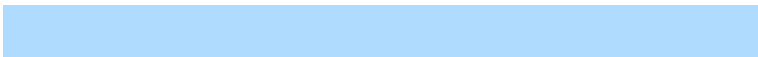
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9086, 0.2577, 0.3238



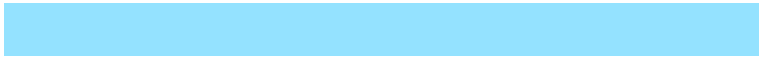
67.9086, 0.2498, 0.2952



67.9086, 0.2575, 0.2778

# Triad

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



67.9086, 0.2498, 0.2952



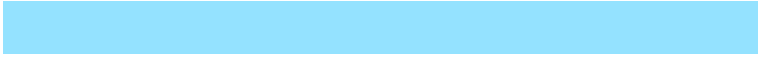
67.9086, 0.3450, 0.3035



67.9086, 0.3445, 0.3893

# Complementary

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



67.9086, 0.2498, 0.2952



54.8610, 0.4086, 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.



67.9086, 0.3699, 0.3796



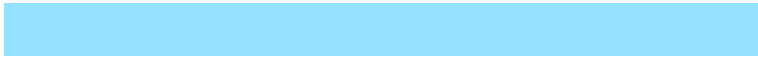
67.9086, 0.2498, 0.2952



67.9086, 0.3707, 0.3299

# Square

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



67.9086, 0.2498, 0.2952



67.9086, 0.3112, 0.2835



67.9086, 0.3799, 0.3574

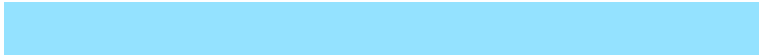


67.9086, 0.3114, 0.3811



# Rectangle

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



67.9086, 0.2498, 0.2952



67.9086, 0.2707, 0.2738



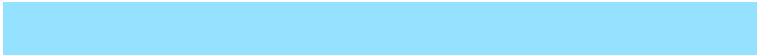
67.9086, 0.3799, 0.3574



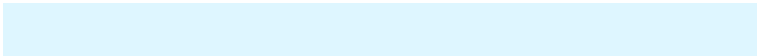
67.9086, 0.3543, 0.3879

# Sweetspot

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



67.9112, 0.2498, 0.2952



88.6453, 0.2925, 0.3198



80.9673, 0.2927, 0.4241



18.5889, 0.2891, 0.3181



0.0000, 0.0000, 0.0000

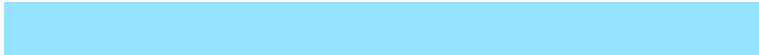


21.4041, 0.3127, 0.3290

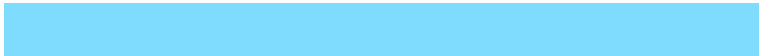


# Same Dimension

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



67.9112, 0.2498, 0.2952



63.1851, 0.2392, 0.2875



43.4128, 0.2390, 0.2294



19.5995, 0.2980, 0.3224



22.3543, 0.1995, 0.2382



2.3580, 0.2027, 0.2498



# Inverse Universe

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



47.9476, 0.3428, 0.2507



41.7586, 0.3507, 0.2367



80.0092, 0.3852, 0.4115



18.2114, 0.3180, 0.3118



12.9846, 0.4041, 0.2000

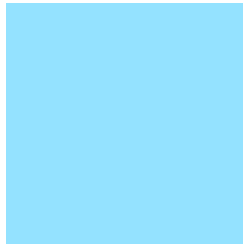


1.2826, 0.3924, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 67.9086, 0.2498, 0.2952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

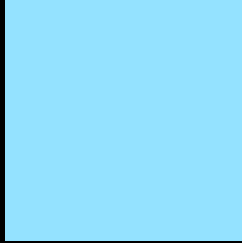
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9086, 0.2498, 0.2952 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 67.9086, 0.2498, 0.2952**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9086, 0.2498, 0.2952.

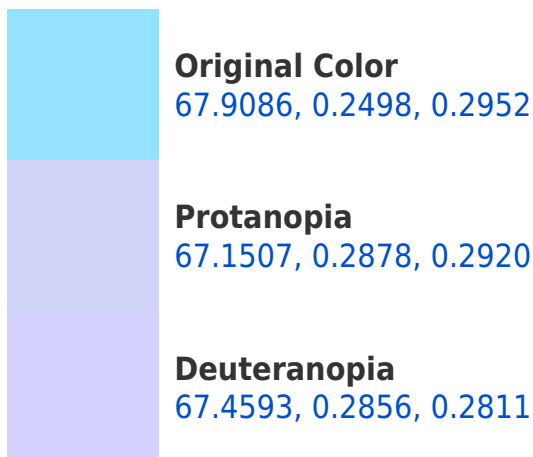


This preview shows how white text looks on a background with the Yxy color 67.9086, 0.2498, 0.2952.

# 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

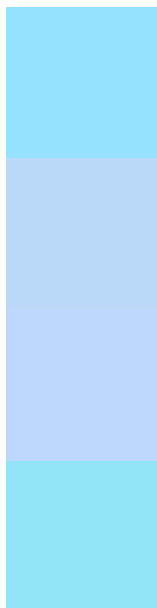




## Tritanopia

68.2516, 0.2534, 0.3076

# Trichromacy



## Original Color

67.9086, 0.2498, 0.2952

## Protanomaly

66.9044, 0.2722, 0.2930

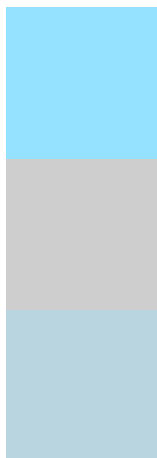
## Deuteranomaly

67.1506, 0.2707, 0.2858

## Tritanomaly

67.9808, 0.2523, 0.3030

# Monochromacy



## Original Color

67.9086, 0.2498, 0.2952

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

63.2846, 0.2859, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9086, 0.2498, 0.2952 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 226, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9086, 0.2498, 0.2952 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, 226, 255) }
```

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

```
.border{ border-color:rgb(148, 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(148, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 226,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9086, 0.2498, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 226, 255) }
```

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

```
.background{ background-color: rgb(148,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor