

# Converting Colors

$Yxy(67.9943, 0.2803, 0.4517)$

Have a look what the booklet for  
Yxy(67.9943, 0.2803, 0.4517)  
contains.

<b>Yxy(67.7416, 0.2806, 0.4517)</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(67.7416, 0.2806, 0.4517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62F197
RGB	98, 241, 151
RGB Percent	38%, 95%, 59%
CMY	0.6156, 0.0549, 0.4077
CMYK	0.59, 0.00, 0.37, 0.05
HSL	142°, 84%, 66%
HSV	142°, 59%, 95%
XYZ	42.0817, 67.7416, 40.1471
YIQ	187.9830, -56.3380, -58.3060

# Conversions

## Conversions Part 2

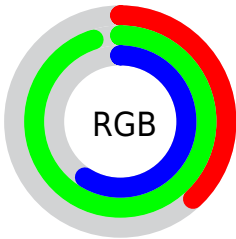
Format	Color
<b>RYB</b>	98, 202, 241
Decimal	6484375
CIELab	85.88, -58.04, 32.24
CIElCh	86, 66.391, 150.953
Yxy	67.7416, 0.2806, 0.4517
Android (android.graphics.Color)	4284674455 (0xFF62F197)
YUV	187.9830, -18.2326, -78.9151
Hunter-Lab	82.3053, -52.7694, 28.6931

# Details

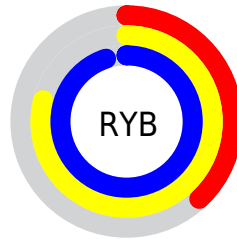
The Yxy color **67.7416, 0.2806, 0.4517** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **31.0714, 0.3774, 0.2358**, and the grayscale version is **50.4147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4498, 0.2841, 0.3861**, and **35.2530, 0.2699, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **66.1376, 0.2788, 0.4765**, and if you desaturate by 10%, it is **69.8180, 0.2839, 0.4272**.

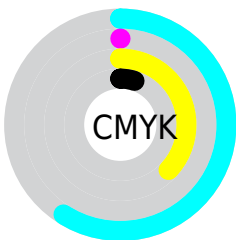
# Distribution



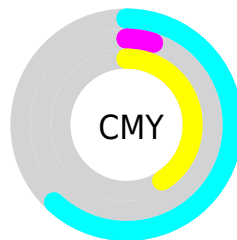
- Red (38%)
- Green (95%)
- Blue (59%)



- Red (38%)
- Yellow (79%)
- Blue (95%)



- Cyan (59%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)




- Cyan (62%)
- Magenta (5%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7416, 0.2806, 0.4517 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 67.7416, 0.2806, 0.4517 by changing the saturation by 10% instead.





 67.7416, 0.2806,  
0.4517

 67.7416, 0.2806,  
0.4517


452.5799, 0.2979,  
0.3899


 49.6875, 0.2760,  
0.4671


 115.9824, 0.2872,  
0.4293


 35.1652, 0.2698,  
0.4867


 146.9379, 0.2895,  
0.4208

 23.7902, 0.2614,  
0.5125

 182.9628, 0.2915,  
0.4137

 15.1780, 0.2494,  
0.5479

 224.4413, 0.2932,  
0.4076

 8.9444, 0.2309,  
0.5985

271.7578, 0.2946,  
0.4023

 4.7050, 0.2004,  
0.6753

325.2969, 0.2959,

 2.0752, 0.1090,

0.3976

0.8910

385.4428, 0.2970,  
0.3935

0.6506, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.7416, 0.2806,  
0.4517

67.7416, 0.2806,  
0.4517

66.1376, 0.2788,  
0.4765

69.8180, 0.2839,  
0.4272

64.9578, 0.2789,  
0.5005


72.3936, 0.2885,  
0.4038


64.1579, 0.2808,  
0.5229


75.5028, 0.2940,  
0.3819


63.6660, 0.2842,  
0.5428

79.1745, 0.3002,  
0.3620

 63.6381, 0.2845,  
0.5441

 83.4356, 0.3066,  
0.3440

 88.3111, 0.3132,  
0.3280

 91.3910, 0.3133,  
0.3156

# Harmonies

## Analogous

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



67.7416, 0.3581, 0.4804



67.7416, 0.2806, 0.4517



67.7416, 0.2160, 0.3716

# Triad

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



67.7416, 0.2806, 0.4517



67.7416, 0.1993, 0.2081



67.7416, 0.4661, 0.3402

# Complementary

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



67.7416, 0.2806, 0.4517



31.0714, 0.3774, 0.2358

# 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.



67.7416, 0.4121, 0.2842



67.7416, 0.2806, 0.4517



67.7416, 0.2522, 0.2120

# Square

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



67.7416, 0.2806, 0.4517



67.7416, 0.1750, 0.2315



67.7416, 0.3296, 0.2390



67.7416, 0.4698, 0.3996



# Rectangle

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



67.7416, 0.2806, 0.4517



67.7416, 0.1884, 0.3130



67.7416, 0.3296, 0.2390



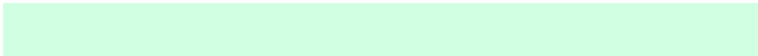
67.7416, 0.4532, 0.3208

# Sweetspot

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



67.7444, 0.2806, 0.4517



90.5873, 0.3010, 0.3596



74.5580, 0.3584, 0.4899



19.1088, 0.2991, 0.3651



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.



67.7444, 0.2806, 0.4517



74.8990, 0.2787, 0.4811



70.7796, 0.2477, 0.3529



17.7533, 0.3065, 0.3442



34.5332, 0.2836, 0.5410



2.8914, 0.2763, 0.5145



# Inverse Universe

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



31.0714, 0.3774, 0.2358



29.7765, 0.3966, 0.2239



28.7272, 0.4733, 0.3100



15.9262, 0.3195, 0.3142



11.3912, 0.4421, 0.2209

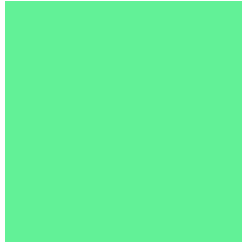


0.9668, 0.4219, 0.2098



# Previews

## White Background



This preview shows how the Yxy color 67.7416, 0.2806, 0.4517 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 67.7416, 0.2806, 0.4517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

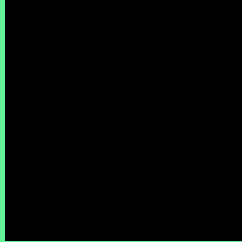
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.7416, 0.2806, 0.4517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7416, 0.2806, 0.4517.

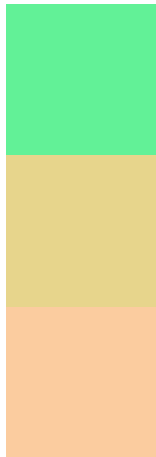


This preview shows how white text looks on a background with the Yxy color 67.7416, 0.2806, 0.4517.

# 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

67.7416, 0.2806, 0.4517

### Protanopia

66.4709, 0.3787, 0.4094

### Deuteranopia

66.1982, 0.3846, 0.3765



## Tritanopia

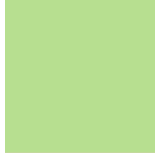
67.2516, 0.2437, 0.3060

# Trichromacy



## Original Color

67.7416, 0.2806, 0.4517



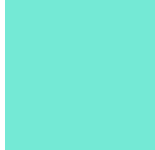
## Protanomaly

64.8562, 0.3351, 0.4266



## Deuteranomaly

63.6281, 0.3377, 0.4030



## Tritanomaly

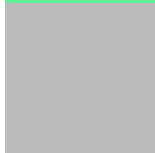
66.7949, 0.2566, 0.3545

# Monochromacy



## Original Color

67.7416, 0.2806, 0.4517



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

54.6894, 0.2962, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7416, 0.2806, 0.4517 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(98, 241, 151)` looks like.

```
.text, #text, p{  
    color:rgb(98, 241, 151)  
}
```

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(98, 241, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 241, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7416, 0.2806, 0.4517 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(98, 241, 151) }
```

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

```
.border{ border-color:rgb(98, 241, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 241, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 241, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 241, 151);  
box-shadow:4px 4px 4px 4px rgb(98, 241,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7416, 0.2806, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 241, 151) }
```

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

```
.background{ background-color: rgb(98, 241,  
151) }
```

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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