

# Converting Colors

Yxy(58.7645, 0.3125, 0.4978)

Have a look what the booklet for  
Yxy(58.7645, 0.3125, 0.4978)  
contains.

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**Color**

**Yxy(58.7015, 0.3125, 0.4971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76E168
RGB	118, 225, 104
RGB Percent	46%, 88%, 41%
CMY	0.5370, 0.1177, 0.5921
CMYK	0.48, 0.00, 0.54, 0.12
HSL	113°, 67%, 65%
HSV	113°, 54%, 88%
XYZ	36.9025, 58.7015, 22.4839
YIQ	179.2130, -24.9310, -60.3150

# Conversions

## Conversions Part 2

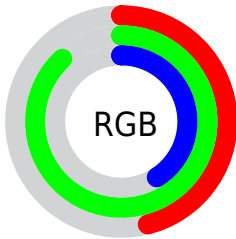
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 225, 211</a>
Decimal	<a href="#">7790952</a>
CIELab	<a href="#">81.13, -53.89, 49.25</a>
CIELCh	<a href="#">81, 73.003, 137.578</a>
Yxy	<a href="#">58.7015, 0.3125, 0.4971</a>
Android (android.graphics.Color)	<a href="#">4285981032 (0xFF76E168)</a>
YUV	<a href="#">179.2130, -37.0800, -53.6838</a>
Hunter-Lab	<a href="#">76.6169, -48.1052, 36.2326</a>

# Details

The Yxy color **58.7015, 0.3125, 0.4971** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.1777, 0.3045, 0.1958**, and the grayscale version is **45.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2187, 0.3178, 0.4419**, and **29.4848, 0.3055, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **57.0566, 0.3110, 0.5299**, and if you desaturate by 10%, it is **60.7668, 0.3134, 0.4623**.

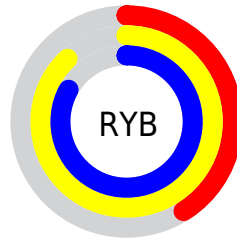
# Distribution



Red (46%)

Green (88%)

Blue (41%)



Red (41%)

Yellow (88%)

Blue (83%)

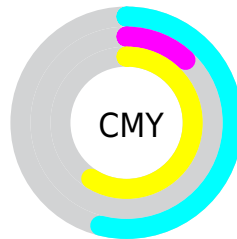


Cyan (48%)

Magenta (0%)

Yellow (54%)

Black (12%)



Cyan (54%)

Magenta (12%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7015, 0.3125, 0.4971 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 58.7015, 0.3125, 0.4971 by changing the saturation by 10% instead.



 58.7015, 0.3125,  
0.4971


 58.7015, 0.3125,  
0.4971


419.7948, 0.3172,  
0.4107


 42.3729, 0.3098,  
0.5187


 102.9437, 0.3154,  
0.4655


 29.3934, 0.3054,  
0.5462


 131.6261, 0.3161,  
0.4537

 19.3786, 0.2980,  
0.5819

 165.1951, 0.3166,  
0.4437

 11.9442, 0.2851,  
0.6293

 204.0353, 0.3169,  
0.4352

 6.7057, 0.2649,  
0.7027

248.5310, 0.3171,  
0.4278

 3.2787, 0.2171,  
0.7829

299.0665, 0.3172,

 1.2789, 0.0000,

0.4214

1.0000

356.0263, 0.3172,  
0.4157

■ 0.1248, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7015, 0.3125,  
0.4971

■ 58.7015, 0.3125,  
0.4971

■ 57.0566, 0.3110,  
0.5299

■ 60.7668, 0.3134,  
0.4623

■ 55.7961, 0.3089,  
0.5582

■ 63.2709, 0.3139,  
0.4278

■ 54.8904, 0.3065,  
0.5797

■ 66.2399, 0.3139,  
0.3951

■ 54.3018, 0.3039,  
0.5931

■ 69.6959, 0.3135,  
0.3651

 54.0694, 0.3025,  
0.5980

 73.6594, 0.3130,  
0.3383

 78.1499, 0.3123,  
0.3147

 82.3278, 0.3141,  
0.2999

# Harmonies

## Analogous

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



58.7015, 0.3990, 0.4937



58.7015, 0.3125, 0.4971



58.7015, 0.2307, 0.4249

# Triad

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



58.7015, 0.3125, 0.4971



58.7015, 0.1694, 0.1999



58.7015, 0.4681, 0.3105

# Complementary

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



58.7015, 0.3125, 0.4971



29.1777, 0.3045, 0.1958

# 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.



58.7015, 0.3859, 0.2533



58.7015, 0.3125, 0.4971



58.7015, 0.2133, 0.1924

# Square

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



58.7015, 0.3125, 0.4971



58.7015, 0.1567, 0.2399



58.7015, 0.2892, 0.2116



58.7015, 0.4976, 0.3750



# Rectangle

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



58.7015, 0.3125, 0.4971



58.7015, 0.1904, 0.3539



58.7015, 0.2892, 0.2116



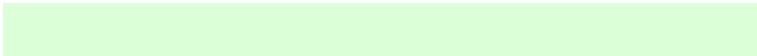
58.7015, 0.4451, 0.2903

# Sweetspot

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



58.7040, 0.3125, 0.4971



91.4363, 0.3136, 0.3719



63.5355, 0.3981, 0.4452



19.3627, 0.3137, 0.3780



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.



58.7040, 0.3125, 0.4971



75.4659, 0.3107, 0.5350



59.0060, 0.2816, 0.4352



15.4131, 0.3133, 0.3531



31.1845, 0.3030, 0.5976



2.1872, 0.3101, 0.5920



# Inverse Universe

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



29.1777, 0.3045, 0.1958



32.1942, 0.3015, 0.1729



29.1486, 0.3706, 0.2450



13.8506, 0.3119, 0.3058



10.1508, 0.2919, 0.1382



0.7268, 0.2966, 0.1408



# Previews

## White Background



This preview shows how the Yxy color 58.7015, 0.3125, 0.4971 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 58.7015, 0.3125, 0.4971 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 58.7015, 0.3125, 0.4971**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7015, 0.3125, 0.4971.



This preview shows how white text looks on a background with the Yxy color 58.7015, 0.3125, 0.4971.

# 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

58.7015, 0.3125, 0.4971

### Protanopia

57.6827, 0.4069, 0.4438

### Deuteranopia

57.6870, 0.4201, 0.4113



## Tritanopia

58.5837, 0.2574, 0.3076

# Trichromacy



## Original Color

58.7015, 0.3125, 0.4971



## Protanomaly

56.6921, 0.3677, 0.4651



## Deuteranomaly

55.8434, 0.3757, 0.4420



## Tritanomaly

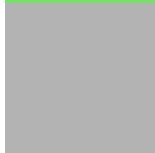
58.1547, 0.2780, 0.3734

# Monochromacy



## Original Color

58.7015, 0.3125, 0.4971



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

48.9150, 0.3137, 0.3904

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7015, 0.3125, 0.4971 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(118, 225, 104)` looks like.

```
.text, #text, p{  
    color:rgb(118, 225, 104)  
}
```

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(118, 225, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 225, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7015, 0.3125, 0.4971 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(118, 225, 104) }
```

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

```
.border{ border-color:rgb(118, 225, 104) }
```

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

Here you see how a box with a 4 pixel rgb(118, 225, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 225, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 225, 104);  
box-shadow:4px 4px 4px 4px rgb(118, 225,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7015, 0.3125, 0.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 225, 104) }
```

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

```
.background{ background-color: rgb(118,  
225, 104) }
```

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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