

# Converting Colors

Yxy(56.0828, 0.3082, 0.4708)

Have a look what the booklet for  
Yxy(56.0828, 0.3082, 0.4708)  
contains.

<b>Yxy(56.2059, 0.3085, 0.4708)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.2059, 0.3085, 0.4708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BDB77
RGB	123, 219, 119
RGB Percent	48%, 86%, 47%
CMY	0.5176, 0.1412, 0.5335
CMYK	0.44, 0.00, 0.46, 0.14
HSL	118°, 58%, 66%
HSV	118°, 46%, 86%
XYZ	36.8299, 56.2059, 26.3480
YIQ	178.8960, -25.1160, -51.4520

# Conversions

## Conversions Part 2

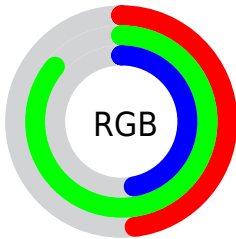
Format	Color
<a href="#">RYB</a>	<a href="#">119, 219, 215</a>
Decimal	<a href="#">8117111</a>
CIELab	<a href="#">79.73, -48.11, 40.42</a>
CIELCh	<a href="#">80, 62.838, 139.963</a>
Yxy	<a href="#">56.2059, 0.3085, 0.4708</a>
Android (android.graphics.Color)	<a href="#">4286307191 (0xFF7BDB77)</a>
YUV	<a href="#">178.8960, -29.5287, -49.0208</a>
Hunter-Lab	<a href="#">74.9706, -43.5090, 31.6423</a>

# Details

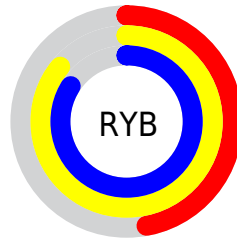
The Yxy color **56.2059, 0.3085, 0.4708** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.7384, 0.3139, 0.2169**, and the grayscale version is **45.1931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2404, 0.3124, 0.4236**, and **27.7700, 0.3028, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **54.3543, 0.3070, 0.5061**, and if you desaturate by 10%, it is **58.5160, 0.3098, 0.4354**.

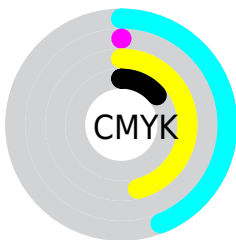
# Distribution



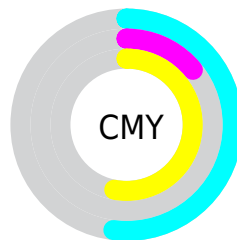
- Red (48%)
- Green (86%)
- Blue (47%)



- Red (47%)
- Yellow (86%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)




- Cyan (52%)
- Magenta (14%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2059, 0.3085, 0.4708 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 56.2059, 0.3085, 0.4708 by changing the saturation by 10% instead.




 56.2059, 0.3085,  
0.4708


 56.2059, 0.3085,  
0.4708


410.4670, 0.3137,  
0.3975


 40.3680, 0.3061,  
0.4895


 99.3056, 0.3112,  
0.4438

 27.8256, 0.3025,  
0.5135


 127.3361, 0.3119,  
0.4338

 18.1942, 0.2966,  
0.5453


 160.1997, 0.3125,  
0.4253

 11.0895, 0.2863,  
0.5890

198.2808, 0.3129,  
0.4181

 6.1271, 0.2676,  
0.6518

241.9636, 0.3132,  
0.4119

 2.9225, 0.2361,  
0.7639

291.6327, 0.3134,

 1.0914, 0.0000,

0.4065

1.0000

347.6723, 0.3136,  
0.4017

0.0000, 0.0000,  
0.0000

56.2059, 0.3085,  
0.4708

56.2059, 0.3085,  
0.4708

54.3543, 0.3070,  
0.5061

58.5160, 0.3098,  
0.4354

52.9242, 0.3054,  
0.5387

61.3048, 0.3109,  
0.4017

51.8844, 0.3037,  
0.5660

64.5996, 0.3117,  
0.3708

51.1964, 0.3022,  
0.5856

68.4238, 0.3124,  
0.3432

50.8137, 0.3009,  
0.5966

72.7993, 0.3129,  
0.3190

 50.7221, 0.3007,  
0.5994

 77.7467, 0.3133,  
0.2980

 79.1447, 0.3144,  
0.2940

# Harmonies

## Analogous

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



56.2059, 0.3860, 0.4766



56.2059, 0.3085, 0.4708



56.2059, 0.2364, 0.4049

# Triad

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



56.2059, 0.3085, 0.4708



56.2059, 0.1863, 0.2125



56.2059, 0.4526, 0.3188

# Complementary

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



56.2059, 0.3085, 0.4708



32.7384, 0.3139, 0.2169

# 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.



56.2059, 0.3838, 0.2656



56.2059, 0.3085, 0.4708



56.2059, 0.2290, 0.2069

# Square

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



56.2059, 0.3085, 0.4708



56.2059, 0.1725, 0.2473



56.2059, 0.2991, 0.2260



56.2059, 0.4756, 0.3780



# Rectangle

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



56.2059, 0.3085, 0.4708



56.2059, 0.2011, 0.3446



56.2059, 0.2991, 0.2260



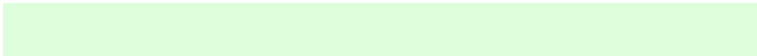
56.2059, 0.4337, 0.3000

# Sweetspot

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



56.2083, 0.3085, 0.4708



91.9829, 0.3119, 0.3662



64.4854, 0.3824, 0.4358



19.4527, 0.3117, 0.3726



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.



56.2083, 0.3085, 0.4708



76.7766, 0.3070, 0.5053



57.2637, 0.2811, 0.4062



14.6313, 0.3122, 0.3531



30.0862, 0.3009, 0.5993



1.9582, 0.3038, 0.5970



# Inverse Universe

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



32.7384, 0.3139, 0.2169



39.6215, 0.3137, 0.1963



31.3009, 0.3665, 0.2641



13.2465, 0.3131, 0.3059



11.1793, 0.3109, 0.1486

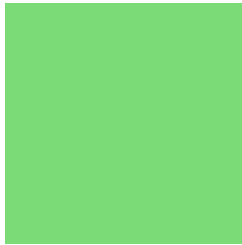


0.7328, 0.3126, 0.1496



# Previews

## White Background



This preview shows how the Yxy color 56.2059, 0.3085, 0.4708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

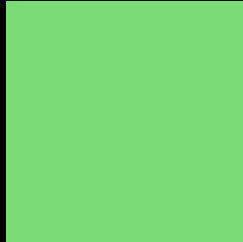
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.2059, 0.3085, 0.4708 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 56.2059, 0.3085, 0.4708**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.2059, 0.3085, 0.4708.



This preview shows how white text looks on a background with the Yxy color 56.2059, 0.3085, 0.4708.

# 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

56.2059, 0.3085, 0.4708

### Protanopia

55.6791, 0.3937, 0.4286

### Deuteranopia

55.3057, 0.4051, 0.3976



## Tritanopia

55.9368, 0.2597, 0.3073

# Trichromacy



## Original Color

56.2059, 0.3085, 0.4708



## Protanomaly

54.8226, 0.3586, 0.4451



## Deuteranomaly

53.8790, 0.3660, 0.4240



## Tritanomaly

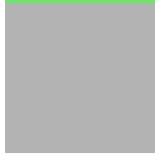
55.3679, 0.2773, 0.3629

# Monochromacy



## Original Color

56.2059, 0.3085, 0.4708



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

48.3888, 0.3119, 0.3804

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.2059, 0.3085, 0.4708 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(123, 219, 119)` looks like.

```
.text, #text, p{  
    color:rgb(123, 219, 119)  
}
```

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(123, 219, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 219, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2059, 0.3085, 0.4708 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(123, 219, 119) }
```

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

```
.border{ border-color:rgb(123, 219, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 219, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 219, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 219, 119); box-shadow:4px 4px 4px 4px rgb(123, 219, 119) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2059, 0.3085, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 219, 119) }
```

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

```
.background{ background-color: rgb(123,  
219, 119) }
```

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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