

# Converting Colors

Yxy(47.2133, 0.3122, 0.4807)

Have a look what the booklet for  
Yxy(47.2133, 0.3122, 0.4807)  
contains.

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# Color

**Yxy(47.2019, 0.3119, 0.4809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	71CB67
RGB	113, 203, 103
RGB Percent	44%, 80%, 40%
CMY	0.5569, 0.2039, 0.5959
CMYK	0.44, 0.00, 0.49, 0.20
HSL	114°, 49%, 60%
HSV	114°, 49%, 80%
XYZ	30.6140, 47.2019, 20.3374
YIQ	164.6900, -21.5400, -50.1800

# Conversions

## Conversions Part 2

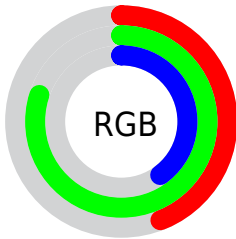
Format	Color
<a href="#">RYB</a>	<a href="#">103, 203, 193</a>
Decimal	<a href="#">7457639</a>
CIELab	<a href="#">74.32, -46.57, 41.40</a>
CIELCh	<a href="#">74, 62.306, 138.363</a>
Yxy	<a href="#">47.2019, 0.3119, 0.4809</a>
Android (android.graphics.Color)	<a href="#">4285647719 (0xFF71CB67)</a>
YUV	<a href="#">164.6900, -30.4132, -45.3321</a>
Hunter-Lab	<a href="#">68.7036, -40.6927, 30.5418</a>

# Details

The Yxy color **47.2019, 0.3119, 0.4809** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.3635, 0.3075, 0.2072**, and the grayscale version is **37.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3553, 0.3146, 0.4457**, and **22.2685, 0.3059, 0.5305** is the 20% darker color. If you saturate the color by 10%, you get **45.7518, 0.3106, 0.5149**, and if you desaturate by 10%, it is **48.9991, 0.3127, 0.4461**.

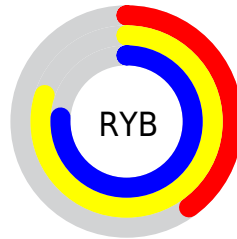
# Distribution



Red (44%)

Green (80%)

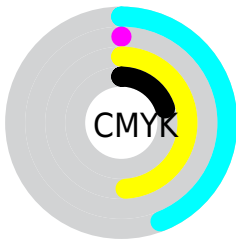
Blue (40%)



Red (40%)

Yellow (80%)

Blue (76%)

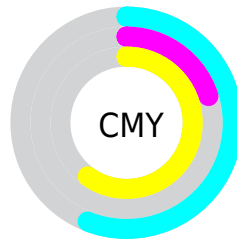


Cyan (44%)

Magenta (0%)

Yellow (49%)

Black (20%)



Cyan (56%)

Magenta (20%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2019, 0.3119, 0.4809 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 47.2019, 0.3119, 0.4809 by changing the saturation by 10% instead.





 47.2019, 0.3119,  
0.4809


 47.2019, 0.3119,  
0.4809


375.6199, 0.3160,  
0.4002

 33.1953, 0.3094,  
0.5022


 86.0149, 0.3144,  
0.4506


 22.2761, 0.3053,  
0.5299


 111.5901, 0.3150,  
0.4395

 14.0599, 0.2982,  
0.5671


 141.7903, 0.3154,  
0.4303

 8.1623, 0.2849,  
0.6188

 176.9999, 0.3157,  
0.4224

 4.1990, 0.2699,  
0.7237

217.6032, 0.3159,  
0.4156

 1.7855, 0.1716,  
0.8284

263.9847, 0.3159,

 0.4781, 0.0000,

0.4098

1.0000

316.5288, 0.3160,  
0.4047

0.0000, 0.0000,  
0.0000

47.2019, 0.3119,  
0.4809

47.2019, 0.3119,  
0.4809

45.7518, 0.3106,  
0.5149

48.9991, 0.3127,  
0.4461

44.6208, 0.3088,  
0.5457

51.1576, 0.3132,  
0.4123

43.7863, 0.3067,  
0.5706


53.6977, 0.3132,  
0.3809


43.2199, 0.3043,  
0.5880

56.6369, 0.3131,  
0.3524

42.8835, 0.3023,  
0.5977

59.9912, 0.3127,  
0.3272

 42.8651, 0.3022,  
0.5983

 63.7760, 0.3122,  
0.3051

 68.0058, 0.3116,  
0.2859

 71.1942, 0.3151,  
0.2782

# Harmonies

## Analogous

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



47.2019, 0.3925, 0.4822



47.2019, 0.3119, 0.4809



47.2019, 0.2359, 0.4139

# Triad

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



47.2019, 0.3119, 0.4809



47.2019, 0.1795, 0.2084



47.2019, 0.4569, 0.3145

# Complementary

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



47.2019, 0.3119, 0.4809



25.3635, 0.3075, 0.2072

# 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.



47.2019, 0.3826, 0.2600



47.2019, 0.3119, 0.4809



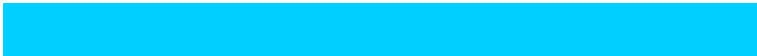
47.2019, 0.2220, 0.2016

# Square

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



47.2019, 0.3119, 0.4809



47.2019, 0.1669, 0.2460



47.2019, 0.2937, 0.2201



47.2019, 0.4835, 0.3756

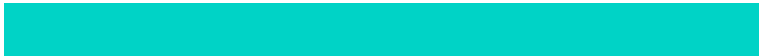


# Rectangle

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



47.2019, 0.3119, 0.4809



47.2019, 0.1984, 0.3500



47.2019, 0.2937, 0.2201



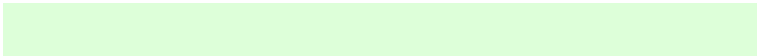
47.2019, 0.4362, 0.2953

# Sweetspot

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



47.2039, 0.3119, 0.4809



91.8196, 0.3132, 0.3690



51.8205, 0.3899, 0.4377



19.4345, 0.3132, 0.3752



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.



47.2039, 0.3119, 0.4809



76.4901, 0.3105, 0.5167



47.5836, 0.2824, 0.4211



12.5895, 0.3131, 0.3528



27.2962, 0.3026, 0.5979



1.4268, 0.3105, 0.5917



# Inverse Universe

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



25.3635, 0.3075, 0.2072



35.7609, 0.3054, 0.1851



25.0492, 0.3656, 0.2537



11.3448, 0.3122, 0.3061



9.1570, 0.2962, 0.1405



0.4892, 0.3013, 0.1434



# Previews

## White Background



This preview shows how the Yxy color 47.2019, 0.3119, 0.4809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

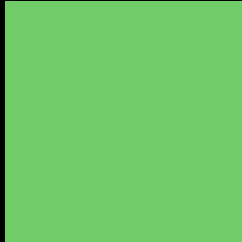
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2019, 0.3119, 0.4809 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 47.2019, 0.3119, 0.4809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2019, 0.3119, 0.4809.

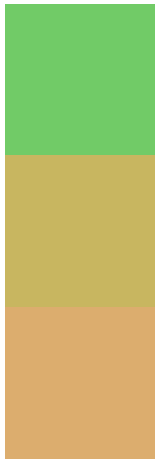


This preview shows how white text looks on a background with the Yxy color 47.2019, 0.3119, 0.4809.

# 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**

47.2019, 0.3119, 0.4809

**Protanopia**

46.5798, 0.3985, 0.4351

**Deuteranopia**

46.2286, 0.4122, 0.4031



## Tritanopia

47.1908, 0.2600, 0.3084

# Trichromacy



## Original Color

47.2019, 0.3119, 0.4809



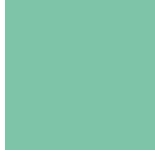
## Protanomaly

46.0526, 0.3623, 0.4532



## Deuteranomaly

45.1663, 0.3714, 0.4318



## Tritanomaly

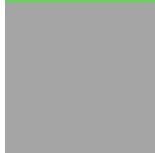
46.7800, 0.2796, 0.3684

# Monochromacy



## Original Color

47.2019, 0.3119, 0.4809



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

40.3042, 0.3135, 0.3846

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2019, 0.3119, 0.4809 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(113, 203, 103)` looks like.

```
.text, #text, p{  
    color:rgb(113, 203, 103)  
}
```

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(113, 203, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 203, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2019, 0.3119, 0.4809 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(113, 203, 103) }
```

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

```
.border{ border-color:rgb(113, 203, 103) }
```

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

Here you see how a box with a 4 pixel rgb(113, 203, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 203, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 203, 103);  
box-shadow:4px 4px 4px 4px rgb(113, 203,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2019, 0.3119, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 203, 103) }
```

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

```
.background{ background-color: rgb(113,  
203, 103) }
```

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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