

# Converting Colors

$Yxy(44.5996, 0.3051, 0.4665)$

Have a look what the booklet for  
Yxy(44.5996, 0.3051, 0.4665)  
contains.

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# Color

**Yxy(44.7021, 0.3049, 0.4669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC66E
RGB	108, 198, 110
RGB Percent	42%, 78%, 43%
CMY	0.5766, 0.2235, 0.5685
CMYK	0.45, 0.00, 0.44, 0.22
HSL	121°, 44%, 60%
HSV	121°, 45%, 78%
XYZ	29.1918, 44.7021, 21.8484
YIQ	161.0580, -25.3920, -46.4480

# Conversions

## Conversions Part 2

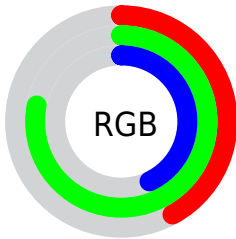
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 196, 198
Decimal	7128686
CIELab	72.70, -44.96, 35.83
CIELCh	73, 57.493, 141.444
Yxy	44.7021, 0.3049, 0.4669
Android (android.graphics.Color)	4285318766 (0xFF6CC66E)
YUV	161.0580, -25.1716, -46.5319
Hunter-Lab	66.8596, -39.0688, 27.4269

# Details

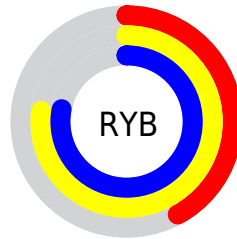
The Yxy color **44.7021, 0.3049, 0.4669** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.7106, 0.3200, 0.2214**, and the grayscale version is **35.7964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0569, 0.3081, 0.4384**, and **20.6750, 0.2978, 0.5129** is the 20% darker color. If you saturate the color by 10%, you get **43.2240, 0.3032, 0.5019**, and if you desaturate by 10%, it is **46.5579, 0.3067, 0.4321**.

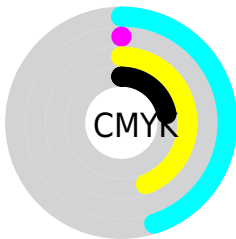
# Distribution



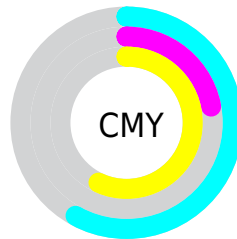
- Red (42%)
- Green (78%)
- Blue (43%)



- Red (42%)
- Yellow (77%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7021, 0.3049, 0.4669 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 44.7021, 0.3049, 0.4669 by changing the saturation by 10% instead.





 44.7021, 0.3049,  
0.4669


 44.7021, 0.3049,  
0.4669


365.5657, 0.3118,  
0.3929

 31.2228, 0.3020,  
0.4868


 82.2732, 0.3082,  
0.4389

 20.7686, 0.2975,  
0.5130


 107.1338, 0.3092,  
0.4287

 12.9550, 0.2901,  
0.5489


 136.5571, 0.3100,  
0.4203

 7.3975, 0.2768,  
0.6002

 170.9273, 0.3105,  
0.4131

 3.7119, 0.2586,  
0.6981

210.6288, 0.3110,  
0.4070

 1.5138, 0.1360,  
0.8640

256.0462, 0.3113,

 0.2984, 0.0000,

0.4017

1.0000

307.5637, 0.3116,  
0.3970

■ 0.0000, 0.0000,  
0.0000

■ 44.7021, 0.3049,  
0.4669

■ 44.7021, 0.3049,  
0.4669

■ 43.2240, 0.3032,  
0.5019

■ 46.5579, 0.3067,  
0.4321

■ 42.0925, 0.3017,  
0.5346

■ 48.8088, 0.3086,  
0.3991

■ 41.2811, 0.3006,  
0.5625

■ 51.4778, 0.3103,  
0.3690


■ 40.7565, 0.3000,  
0.5831


■ 54.5845, 0.3119,  
0.3422

■ 40.4786, 0.2998,  
0.5954

■ 58.1475, 0.3134,  
0.3188

 40.4007, 0.2996,  
0.5987

 62.1841, 0.3147,  
0.2985

 66.7108, 0.3158,  
0.2810

 68.8709, 0.3153,  
0.2732

# Harmonies

## Analogous

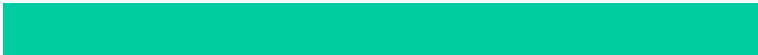
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7021, 0.3817, 0.4759



44.7021, 0.3049, 0.4669



44.7021, 0.2343, 0.3996

# Triad

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



44.7021, 0.3049, 0.4669



44.7021, 0.1890, 0.2128



44.7021, 0.4532, 0.3219

# Complementary

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



44.7021, 0.3049, 0.4669



26.7106, 0.3200, 0.2214

# 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.



44.7021, 0.3870, 0.2686



44.7021, 0.3049, 0.4669



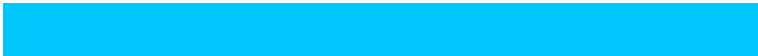
44.7021, 0.2328, 0.2086

# Square

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



44.7021, 0.3049, 0.4669



44.7021, 0.1740, 0.2459



44.7021, 0.3033, 0.2286



44.7021, 0.4734, 0.3807

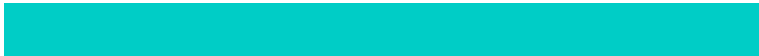


# Rectangle

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



44.7021, 0.3049, 0.4669



44.7021, 0.2004, 0.3401



44.7021, 0.3033, 0.2286



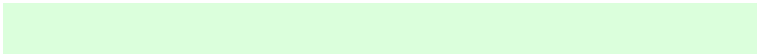
44.7021, 0.4353, 0.3032

# Sweetspot

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



44.7040, 0.3049, 0.4669



91.7999, 0.3105, 0.3655



53.2768, 0.3781, 0.4398



19.4089, 0.3101, 0.3717



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.



44.7040, 0.3049, 0.4669



76.4545, 0.3031, 0.5031



45.9272, 0.2777, 0.3955



11.8917, 0.3113, 0.3523



26.2736, 0.2995, 0.5983



1.2454, 0.2979, 0.5924



# Inverse Universe

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



26.7106, 0.3200, 0.2214



40.4807, 0.3217, 0.2007



24.9774, 0.3736, 0.2722



10.8123, 0.3141, 0.3067



10.3278, 0.3266, 0.1573



0.4904, 0.3253, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 44.7021, 0.3049, 0.4669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

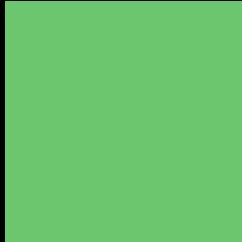
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7021, 0.3049, 0.4669 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 44.7021, 0.3049, 0.4669**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7021, 0.3049, 0.4669.



This preview shows how white text looks on a background with the Yxy color 44.7021, 0.3049, 0.4669.

# 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

44.7021, 0.3049, 0.4669

### Protanopia

43.8729, 0.3913, 0.4253

### Deuteranopia

44.1799, 0.4013, 0.3938



## Tritanopia

44.3169, 0.2583, 0.3078

# Trichromacy



## Original Color

44.7021, 0.3049, 0.4669



## Protanomaly

43.5044, 0.3556, 0.4420



## Deuteranomaly

42.9714, 0.3622, 0.4202



## Tritanomaly

44.1192, 0.2750, 0.3618

# Monochromacy



## Original Color

44.7021, 0.3049, 0.4669



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

37.9759, 0.3104, 0.3781

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7021, 0.3049, 0.4669 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(108, 198, 110)` looks like.

```
.text, #text, p{  
    color:rgb(108, 198, 110)  
}
```

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(108, 198, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 198, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7021, 0.3049, 0.4669 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(108, 198, 110) }
```

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

```
.border{ border-color:rgb(108, 198, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 198, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 198, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 198, 110);  
box-shadow:4px 4px 4px 4px rgb(108, 198,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7021, 0.3049, 0.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 198, 110) }
```

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

```
.background{ background-color: rgb(108,  
198, 110) }
```

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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