

# Converting Colors

Yxy(48.2066, 0.3069, 0.4736)

Have a look what the booklet for  
Yxy(48.2066, 0.3069, 0.4736)  
contains.

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# Color

**Yxy(48.1679, 0.3066, 0.4733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FCD6E
RGB	111, 205, 110
RGB Percent	44%, 80%, 43%
CMY	0.5646, 0.1961, 0.5687
CMYK	0.46, 0.00, 0.46, 0.20
HSL	119°, 49%, 62%
HSV	119°, 46%, 80%
XYZ	31.2028, 48.1679, 22.3997
YIQ	166.0640, -25.5290, -49.4730

# Conversions

## Conversions Part 2

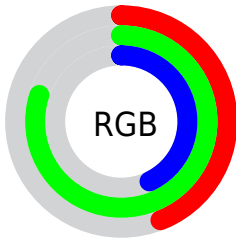
Format	Color
<a href="#">RYB</a>	<a href="#">110, 205, 204</a>
Decimal	<a href="#">7327086</a>
CIELab	<a href="#">74.93, -47.02, 38.71</a>
CIELCh	<a href="#">75, 60.905, 140.536</a>
Yxy	<a href="#">48.1679, 0.3066, 0.4733</a>
Android (android.graphics.Color)	<a href="#">4285517166 (0xFF6FCD6E)</a>
YUV	<a href="#">166.0640, -27.6396, -48.2911</a>
Hunter-Lab	<a href="#">69.4031, -41.2040, 29.4465</a>

# Details

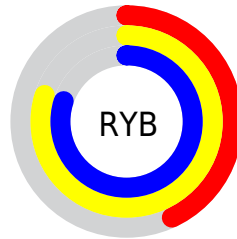
The Yxy color **48.1679, 0.3066, 0.4733** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.3885, 0.3169, 0.2168**, and the grayscale version is **38.3141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4892, 0.3105, 0.4376**, and **22.8958, 0.2992, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **46.6042, 0.3050, 0.5086**, and if you desaturate by 10%, it is **50.1375, 0.3082, 0.4377**.

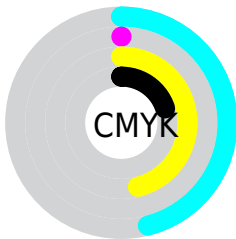
# Distribution



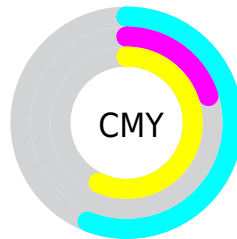
- Red (44%)
- Green (80%)
- Blue (43%)



- Red (43%)
- Yellow (80%)
- Blue (80%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)




- Cyan (56%)
- Magenta (20%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1679, 0.3066, 0.4733 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 48.1679, 0.3066, 0.4733 by changing the saturation by 10% instead.





 48.1679, 0.3066,  
0.4733


 48.1679, 0.3066,  
0.4733


379.4573, 0.3129,  
0.3968

 33.9599, 0.3038,  
0.4935


 87.4543, 0.3098,  
0.4446


 22.8628, 0.2994,  
0.5199


 113.3015, 0.3107,  
0.4341

 14.4922, 0.2922,  
0.5555


 143.7972, 0.3114,  
0.4253

 8.4638, 0.2793,  
0.6055

 179.3259, 0.3119,  
0.4178

 4.3931, 0.2599,  
0.6930

220.2718, 0.3122,  
0.4114

 1.8958, 0.1825,  
0.8175

267.0194, 0.3125,

 0.5459, 0.0000,

0.4059

1.0000

319.9531, 0.3128,  
0.4010

0.0000, 0.0000,  
0.0000

48.1679, 0.3066,  
0.4733

48.1679, 0.3066,  
0.4733

46.6042, 0.3050,  
0.5086

50.1375, 0.3082,  
0.4377

45.4126, 0.3034,  
0.5411

52.5318, 0.3096,  
0.4038

44.5639, 0.3020,  
0.5679

55.3761, 0.3109,  
0.3726


44.0220, 0.3010,  
0.5870

58.6917, 0.3121,  
0.3448

43.7420, 0.3003,  
0.5973

62.4986, 0.3131,  
0.3205

 43.6778, 0.3002,  
0.5998

 66.8156, 0.3139,  
0.2994

 71.6606, 0.3146,  
0.2813

 72.1434, 0.3150,  
0.2801

# Harmonies

## Analogous

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



48.1679, 0.3855, 0.4799



48.1679, 0.3066, 0.4733



48.1679, 0.2336, 0.4048

# Triad

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



48.1679, 0.3066, 0.4733



48.1679, 0.1847, 0.2100



48.1679, 0.4564, 0.3195

# Complementary

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



48.1679, 0.3066, 0.4733



28.3885, 0.3169, 0.2168

# 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.



48.1679, 0.3868, 0.2653



48.1679, 0.3066, 0.4733



48.1679, 0.2286, 0.2051

# Square

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



48.1679, 0.3066, 0.4733



48.1679, 0.1702, 0.2447



48.1679, 0.3003, 0.2249



48.1679, 0.4786, 0.3796

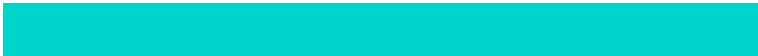


# Rectangle

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



48.1679, 0.3066, 0.4733



48.1679, 0.1982, 0.3430



48.1679, 0.3003, 0.2249



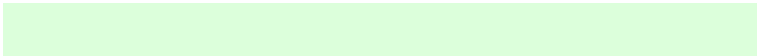
48.1679, 0.4374, 0.3004

# Sweetspot

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



48.1699, 0.3066, 0.4733



91.8177, 0.3112, 0.3663



57.0143, 0.3815, 0.4399



19.4132, 0.3109, 0.3727



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.



48.1699, 0.3066, 0.4733



76.2558, 0.3049, 0.5099



49.3746, 0.2790, 0.4022



12.5427, 0.3118, 0.3529



27.1933, 0.3003, 0.5998



1.4050, 0.3012, 0.5991



# Inverse Universe

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



28.3885, 0.3169, 0.2168



39.8175, 0.3175, 0.1959



26.6339, 0.3714, 0.2672



11.3973, 0.3136, 0.3062



10.6298, 0.3182, 0.1527



0.5504, 0.3188, 0.1530



# Previews

## White Background



This preview shows how the Yxy color 48.1679, 0.3066, 0.4733 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 48.1679, 0.3066, 0.4733 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 48.1679, 0.3066, 0.4733**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1679, 0.3066, 0.4733.



This preview shows how white text looks on a background with the Yxy color 48.1679, 0.3066, 0.4733.

# 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

48.1679, 0.3066, 0.4733

### Protanopia

47.2438, 0.3945, 0.4292

### Deuteranopia

47.3165, 0.4061, 0.3973



## Tritanopia

48.0123, 0.2580, 0.3085

# Trichromacy



## Original Color

48.1679, 0.3066, 0.4733



## Protanomaly

46.6064, 0.3578, 0.4467



## Deuteranomaly

46.1565, 0.3653, 0.4252



## Tritanomaly

47.6904, 0.2761, 0.3652

# Monochromacy



## Original Color

48.1679, 0.3066, 0.4733



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.8288, 0.3103, 0.3798

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1679, 0.3066, 0.4733 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(111, 205, 110)` looks like.

```
.text, #text, p{  
    color:rgb(111, 205, 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(111, 205, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 205, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1679, 0.3066, 0.4733 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(111, 205, 110) }
```

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

```
.border{ border-color:rgb(111, 205, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 205, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 205, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 205, 110);  
box-shadow:4px 4px 4px 4px rgb(111, 205,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1679, 0.3066, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 205, 110) }
```

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

```
.background{ background-color: rgb(111,  
205, 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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