

# Converting Colors

Yxy(46.5627, 0.3026, 0.4753)

Have a look what the booklet for  
Yxy(46.5627, 0.3026, 0.4753)  
contains.

<b>Yxy(46.6996, 0.3022, 0.4749)</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(46.6996, 0.3022, 0.4749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67CB6D
RGB	103, 203, 109
RGB Percent	40%, 80%, 43%
CMY	0.5958, 0.2039, 0.5725
CMYK	0.49, 0.00, 0.46, 0.20
HSL	124°, 49%, 60%
HSV	124°, 49%, 80%
XYZ	29.7170, 46.6996, 21.9190
YIQ	162.3840, -29.4260, -50.4340

# Conversions

## Conversions Part 2

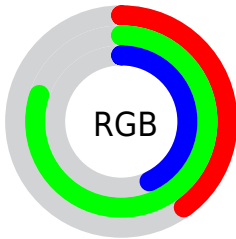
Format	Color
<a href="#">RYB</a>	<a href="#">103, 197, 203</a>
Decimal	<a href="#">6802285</a>
CIELab	<a href="#">74.00, -48.56, 37.95</a>
CIELCh	<a href="#">74, 61.632, 141.990</a>
Yxy	<a href="#">46.6996, 0.3022, 0.4749</a>
Android (android.graphics.Color)	<a href="#">4284992365 (0xFF67CB6D)</a>
YUV	<a href="#">162.3840, -26.3183, -52.0798</a>
Hunter-Lab	<a href="#">68.3371, -41.9675, 28.8188</a>

# Details

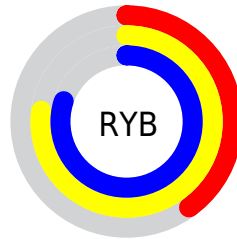
The Yxy color **46.6996, 0.3022, 0.4749** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.4459, 0.3246, 0.2170**, and the grayscale version is **36.4674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6022, 0.3064, 0.4403**, and **21.9878, 0.2933, 0.5229** is the 20% darker color. If you saturate the color by 10%, you get **45.2747, 0.3005, 0.5087**, and if you desaturate by 10%, it is **48.5092, 0.3042, 0.4408**.

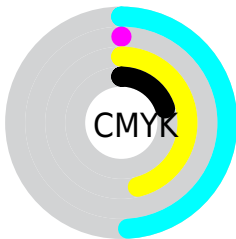
# Distribution



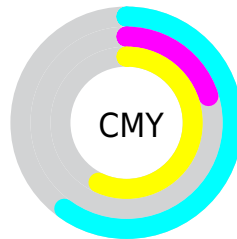
- Red (40%)
- Green (80%)
- Blue (43%)



- Red (40%)
- Yellow (77%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)




- Cyan (60%)
- Magenta (20%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6996, 0.3022, 0.4749 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 46.6996, 0.3022, 0.4749 by changing the saturation by 10% instead.





 46.6996, 0.3022,  
0.4749

 46.6996, 0.3022,  
0.4749


373.6142, 0.3108,  
0.3970


 32.7982, 0.2988,  
0.4957


 85.2650, 0.3062,  
0.4455


 21.9719, 0.2936,  
0.5230


 110.6979, 0.3074,  
0.4348

 13.8363, 0.2852,  
0.5600


 140.7434, 0.3084,  
0.4259

 8.0069, 0.2706,  
0.6124

 175.7860, 0.3091,  
0.4183

 4.0994, 0.2497,  
0.7089

216.2099, 0.3097,  
0.4118

 1.7293, 0.1425,  
0.8575

262.3997, 0.3101,

 0.4425, 0.0000,

0.4062

1.0000

314.7396, 0.3105,  
0.4013

0.0000, 0.0000,  
0.0000

46.6996, 0.3022,  
0.4749

46.6996, 0.3022,  
0.4749

45.2747, 0.3005,  
0.5087

48.5092, 0.3042,  
0.4408

44.2013, 0.2993,  
0.5399

50.7221, 0.3064,  
0.4081

43.4504, 0.2987,  
0.5659


53.3630, 0.3087,  
0.3780


42.9859, 0.2987,  
0.5849


56.4527, 0.3108,  
0.3510

42.7495, 0.2991,  
0.5961

60.0107, 0.3129,  
0.3273

 42.7355, 0.2991,  
0.5966

 64.0553, 0.3148,  
0.3066

 68.6040, 0.3165,  
0.2887

 71.1888, 0.3151,  
0.2782

# Harmonies

## Analogous

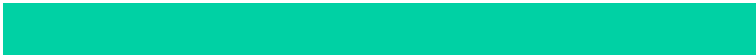
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6996, 0.3829, 0.4842



46.6996, 0.3022, 0.4749



46.6996, 0.2287, 0.4022

# Triad

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



46.6996, 0.3022, 0.4749



46.6996, 0.1839, 0.2069



46.6996, 0.4620, 0.3218

# Complementary

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



46.6996, 0.3022, 0.4749



26.4459, 0.3246, 0.2170

# 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.



46.6996, 0.3926, 0.2664



46.6996, 0.3022, 0.4749



46.6996, 0.2298, 0.2033

# Square

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



46.6996, 0.3022, 0.4749



46.6996, 0.1677, 0.2403



46.6996, 0.3040, 0.2246



46.6996, 0.4817, 0.3830

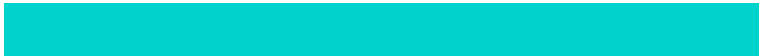


# Rectangle

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



46.6996, 0.3022, 0.4749



46.6996, 0.1939, 0.3385



46.6996, 0.3040, 0.2246



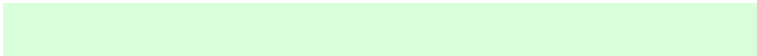
46.6996, 0.4433, 0.3024

# Sweetspot

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



46.7016, 0.3022, 0.4749



91.3491, 0.3095, 0.3668



55.6952, 0.3801, 0.4495



19.3231, 0.3091, 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.



46.7016, 0.3022, 0.4749



75.6993, 0.3004, 0.5105



48.0669, 0.2736, 0.3969



12.5476, 0.3108, 0.3515



27.2032, 0.2988, 0.5957



1.4072, 0.2949, 0.5815



# Inverse Universe

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



26.4459, 0.3246, 0.2170



37.9295, 0.3274, 0.1975



24.5514, 0.3857, 0.2718



11.3918, 0.3147, 0.3075



10.4771, 0.3363, 0.1626



0.5441, 0.3330, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 46.6996, 0.3022, 0.4749 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 46.6996, 0.3022, 0.4749 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 46.6996, 0.3022, 0.4749**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6996, 0.3022, 0.4749.



This preview shows how white text looks on a background with the Yxy color 46.6996, 0.3022, 0.4749.

# 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

46.6996, 0.3022, 0.4749

### Protanopia

46.1294, 0.3945, 0.4290

### Deuteranopia

46.0535, 0.4053, 0.3970



## Tritanopia

46.5642, 0.2552, 0.3081

# Trichromacy



## Original Color

46.6996, 0.3022, 0.4749



## Protanomaly

45.2872, 0.3557, 0.4474



## Deuteranomaly

44.7033, 0.3622, 0.4258



## Tritanomaly

46.2020, 0.2727, 0.3659

# Monochromacy



## Original Color

46.6996, 0.3022, 0.4749



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

39.0902, 0.3086, 0.3809

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6996, 0.3022, 0.4749 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(103, 203, 109)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 109)  
}
```

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(103, 203, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6996, 0.3022, 0.4749 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(103, 203, 109) }
```

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

```
.border{ border-color:rgb(103, 203, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 109);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6996, 0.3022, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 109) }
```

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

```
.background{ background-color: rgb(103,  
203, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor