

# Converting Colors

Yxy(42.5852, 0.3069, 0.4614)

Have a look what the booklet for  
Yxy(42.5852, 0.3069, 0.4614)  
contains.

<b>Yxy(42.5807, 0.3065, 0.4610)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.5807, 0.3065, 0.4610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EC16E
RGB	110, 193, 110
RGB Percent	43%, 76%, 43%
CMY	0.5688, 0.2431, 0.5687
CMYK	0.43, 0.00, 0.43, 0.24
HSL	120°, 40%, 59%
HSV	120°, 43%, 76%
XYZ	28.3102, 42.5807, 21.4751
YIQ	158.7210, -22.8250, -43.4090

# Conversions

## Conversions Part 2

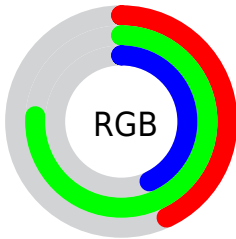
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 193, 193
Decimal	7258478
CIELab	71.27, -42.24, 34.05
CIELCh	71, 54.257, 141.134
Yxy	42.5807, 0.3065, 0.4610
Android (android.graphics.Color)	4285448558 (0xFF6EC16E)
YUV	158.7210, -24.0195, -42.7283
Hunter-Lab	65.2539, -36.7527, 26.1654

# Details

The Yxy color **42.5807, 0.3065, 0.4610** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.3305, 0.3176, 0.2249**, and the grayscale version is **34.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0149, 0.3090, 0.4335**, and **19.5758, 0.2998, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **41.1015, 0.3048, 0.4966**, and if you desaturate by 10%, it is **44.4246, 0.3082, 0.4259**.

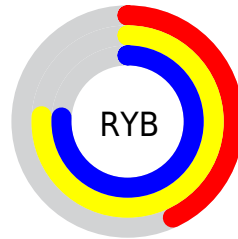
# Distribution



Red (43%)

Green (76%)

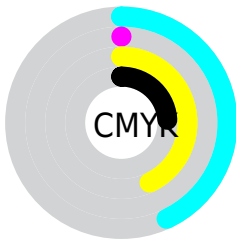
Blue (43%)



Red (43%)

Yellow (76%)

Blue (76%)

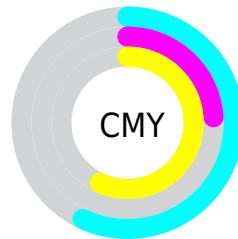


Cyan (43%)

Magenta (0%)

Yellow (43%)

Black (24%)



Cyan (57%)

Magenta (24%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5807, 0.3065, 0.4610 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 42.5807, 0.3065, 0.4610 by changing the saturation by 10% instead.




 42.5807, 0.3065,  
0.4610


 42.5807, 0.3065,  
0.4610


356.8846, 0.3124,  
0.3898

 29.5563, 0.3039,  
0.4803


 79.0777, 0.3094,  
0.4339


 19.5020, 0.2998,  
0.5059


 103.3191, 0.3103,  
0.4241

 12.0336, 0.2930,  
0.5413


 132.0683, 0.3109,  
0.4160

 6.7666, 0.2804,  
0.5923

 165.7096, 0.3114,  
0.4091

 3.3165, 0.2650,  
0.6964

204.6275, 0.3117,  
0.4032

 1.2991, 0.1063,  
0.8937

249.2064, 0.3120,

 0.1405, 0.0000,

0.3981

1.0000

299.8306, 0.3122,  
0.3937

■ 0.0000, 0.0000,  
0.0000

■ 42.5807, 0.3065,  
0.4610

■ 42.5807, 0.3065,  
0.4610

■ 41.1015, 0.3048,  
0.4966

■ 44.4246, 0.3082,  
0.4259

■ 39.9579, 0.3032,  
0.5303

■ 46.6492, 0.3097,  
0.3928

■ 39.1251, 0.3019,  
0.5594

■ 49.2764, 0.3111,  
0.3629

■ 38.5728, 0.3009,  
0.5813


■ 52.3246, 0.3124,  
0.3364

■ 38.2642, 0.3002,  
0.5946

■ 55.8111, 0.3135,  
0.3132

 38.1449, 0.3000,  
0.6000

 59.7524, 0.3144,  
0.2933

 64.1638, 0.3152,  
0.2762

 66.6247, 0.3156,  
0.2683

# Harmonies

## Analogous

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



42.5807, 0.3805, 0.4699



42.5807, 0.3065, 0.4610



42.5807, 0.2381, 0.3974

# Triad

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



42.5807, 0.3065, 0.4610



42.5807, 0.1929, 0.2172



42.5807, 0.4470, 0.3221

# Complementary

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



42.5807, 0.3065, 0.4610



26.3305, 0.3176, 0.2249

# 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.



42.5807, 0.3833, 0.2704



42.5807, 0.3065, 0.4610



42.5807, 0.2352, 0.2125

# Square

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



42.5807, 0.3065, 0.4610



42.5807, 0.1786, 0.2498



42.5807, 0.3031, 0.2317



42.5807, 0.4673, 0.3791

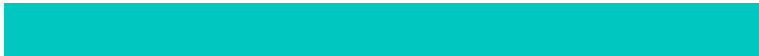


# Rectangle

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



42.5807, 0.3065, 0.4610



42.5807, 0.2050, 0.3409



42.5807, 0.3031, 0.2317



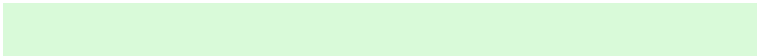
42.5807, 0.4296, 0.3039

# Sweetspot

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



42.5825, 0.3065, 0.4610



88.1561, 0.3111, 0.3634



50.6085, 0.3761, 0.4337



18.6745, 0.3108, 0.3698



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5825, 0.3065, 0.4610



73.6549, 0.3049, 0.4959



43.7070, 0.2801, 0.3934



11.2589, 0.3116, 0.3528



25.3677, 0.3000, 0.6000



1.0961, 0.3000, 0.5999



# Inverse Universe

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



26.3305, 0.3176, 0.2249



40.6195, 0.3186, 0.2044



24.7314, 0.3670, 0.2735



10.2475, 0.3138, 0.3063



10.0993, 0.3210, 0.1542



0.4364, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 42.5807, 0.3065, 0.4610 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 42.5807, 0.3065, 0.4610 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 42.5807, 0.3065, 0.4610**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.5807, 0.3065, 0.4610.



This preview shows how white text looks on a background with the Yxy color 42.5807, 0.3065, 0.4610.

# 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

42.5807, 0.3065, 0.4610

### Protanopia

42.1985, 0.3884, 0.4222

### Deuteranopia

41.9433, 0.3996, 0.3916



## Tritanopia

42.5334, 0.2605, 0.3075

# Trichromacy



## Original Color

42.5807, 0.3065, 0.4610



## Protanomaly

41.6654, 0.3546, 0.4368



## Deuteranomaly

41.0362, 0.3609, 0.4163



## Tritanomaly

42.3588, 0.2771, 0.3607

# Monochromacy



## Original Color

42.5807, 0.3065, 0.4610



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

36.7116, 0.3105, 0.3756

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  42.5807, 0.3065, 0.4610 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(110, 193, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 193, 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(110, 193, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 193, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5807, 0.3065, 0.4610 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(110, 193, 110) }
```

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

```
.border{ border-color:rgb(110, 193, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 193, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 193, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 193, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 193,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5807, 0.3065, 0.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 193, 110) }
```

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

```
.background{ background-color: rgb(110,  
193, 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](#).

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