

# Converting Colors

$Yxy(45.0839, 0.3612, 0.4474)$

Have a look what the booklet for  
Yxy(45.0839, 0.3612, 0.4474)  
contains.

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# Color

**Yxy(45.2506, 0.3611, 0.4473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8BC66
RGB	168, 188, 102
RGB Percent	66%, 74%, 40%
CMY	0.3412, 0.2627, 0.5999
CMYK	0.11, 0.00, 0.46, 0.26
HSL	74°, 39%, 57%
HSV	74°, 46%, 74%
XYZ	36.5303, 45.2506, 19.3830
YIQ	172.2160, 15.6860, -30.9860

# Conversions

## Conversions Part 2

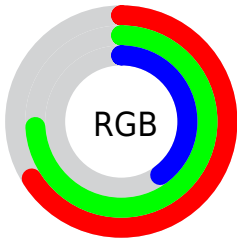
Format	Color
<a href="#">RYB</a>	<a href="#">102, 188, 122</a>
Decimal	<a href="#">11058278</a>
CIELab	<a href="#">73.06, -20.33, 41.04</a>
CIELCh	<a href="#">73, 45.799, 116.358</a>
Yxy	<a href="#">45.2506, 0.3611, 0.4473</a>
Android (android.graphics.Color)	<a href="#">4289248358 (0xFFA8BC66)</a>
YUV	<a href="#">172.2160, -34.6165, -3.6974</a>
Hunter-Lab	<a href="#">67.2686, -20.7854, 30.0040</a>

# Details

The Yxy color  $45.2506, 0.3611, 0.4473$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $17.2763, 0.2459, 0.1943$ , and the grayscale version is  $41.5444, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.9152, 0.3533, 0.4246$ , and  $21.1533, 0.3699, 0.4824$  is the 20% darker color. If you saturate the color by 10%, you get  $44.4488, 0.3692, 0.4718$ , and if you desaturate by 10%, it is  $46.1572, 0.3515, 0.4212$ .

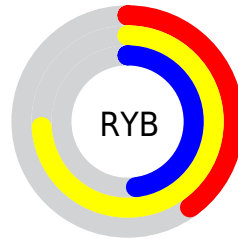
# Distribution



Red (66%)

Green (74%)

Blue (40%)



Red (40%)

Yellow (74%)

Blue (48%)

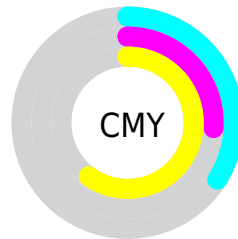


Cyan (11%)

Magenta (0%)

Yellow (46%)

Black (26%)



Cyan (34%)

Magenta (26%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2506, 0.3611, 0.4473 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 45.2506, 0.3611, 0.4473 by changing the saturation by 10% instead.





 45.2506, 0.3611,  
0.4473


 45.2506, 0.3611,  
0.4473


367.7875, 0.3391,  
0.3865


 31.6549, 0.3655,  
0.4625


 83.0963, 0.3538,  
0.4251


 21.0980, 0.3704,  
0.4819


 108.1151, 0.3509,  
0.4167

 13.1957, 0.3755,  
0.5071

 137.7104, 0.3483,  
0.4097

 7.5634, 0.3793,  
0.5404

 172.2665, 0.3460,  
0.4037

 3.8169, 0.3925,  
0.6075

212.1679, 0.3440,  
0.3985

 1.5717, 0.3584,  
0.6416

257.7989, 0.3422,

 0.3384, 0.0000,

0.3940

1.0000

309.5440, 0.3406,  
0.3901

0.0000, 0.0000,  
0.0000

45.2506, 0.3611,  
0.4473

45.2506, 0.3611,  
0.4473

44.4488, 0.3692,  
0.4718

46.1572, 0.3515,  
0.4212

43.7398, 0.3755,  
0.4936

47.1679, 0.3410,  
0.3945

43.1189, 0.3793,  
0.5117


48.2897, 0.3300,  
0.3682

42.5784, 0.3806,  
0.5254

49.5273, 0.3190,  
0.3429

42.1086, 0.3795,  
0.5344

50.8850, 0.3082,  
0.3190

 41.9213, 0.3787,  
0.5375

 52.3669, 0.2978,  
0.2968

 53.9769, 0.2880,  
0.2765

 55.7186, 0.2789,  
0.2580

 56.5065, 0.2804,  
0.2561

# Harmonies

## Analogous

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



45.2506, 0.4138, 0.4256



45.2506, 0.3611, 0.4473



45.2506, 0.2983, 0.4296

# Triad

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



45.2506, 0.3611, 0.4473



45.2506, 0.1989, 0.2569



45.2506, 0.3823, 0.2870

# Complementary

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



45.2506, 0.3611, 0.4473



17.2763, 0.2459, 0.1943

# 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.



45.2506, 0.3168, 0.2509



45.2506, 0.3611, 0.4473



45.2506, 0.2156, 0.2321

# Square

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



45.2506, 0.3611, 0.4473



45.2506, 0.2078, 0.3069



45.2506, 0.2565, 0.2312



45.2506, 0.4297, 0.3333



# Rectangle

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



45.2506, 0.3611, 0.4473



45.2506, 0.2594, 0.3950



45.2506, 0.2565, 0.2312



45.2506, 0.3613, 0.2735

# Sweetspot

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



45.2526, 0.3611, 0.4473



87.8380, 0.3283, 0.3643



25.2408, 0.4213, 0.3553



18.7895, 0.3307, 0.3699



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



45.2526, 0.3611, 0.4473



80.5303, 0.3694, 0.4722



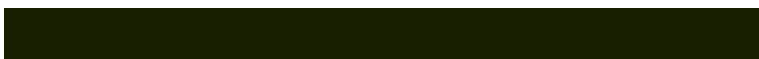
41.3925, 0.3246, 0.4626



11.0056, 0.3229, 0.3519



28.5757, 0.3792, 0.5371



1.1471, 0.3893, 0.5291



# Inverse Universe

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



17.2763, 0.2459, 0.1943



23.4722, 0.2274, 0.1612



20.9915, 0.2902, 0.2096



9.3296, 0.3019, 0.3055



2.8614, 0.1637, 0.0675



0.1428, 0.1889, 0.0814



# Previews

## White Background



This preview shows how the Yxy color 45.2506, 0.3611, 0.4473 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 45.2506, 0.3611, 0.4473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

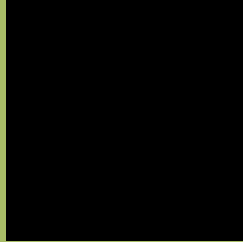
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2506, 0.3611, 0.4473**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2506, 0.3611, 0.4473.



This preview shows how white text looks on a background with the Yxy color 45.2506, 0.3611, 0.4473.

# 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

45.2506, 0.3611, 0.4473

### Protanopia

45.0114, 0.3953, 0.4298

### Deuteranopia

44.9181, 0.4140, 0.4062



## Tritanopia

45.2303, 0.3025, 0.3108

# Trichromacy



**Original Color**

45.2506, 0.3611, 0.4473

**Protanomaly**

44.8151, 0.3823, 0.4362

**Deuteranomaly**

44.6063, 0.3938, 0.4200

**Tritanomaly**

45.0731, 0.3251, 0.3603

# Monochromacy



**Original Color**

45.2506, 0.3611, 0.4473

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.6053, 0.3320, 0.3724

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2506, 0.3611, 0.4473 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(168, 188, 102)` looks like.

```
.text, #text, p{  
    color:rgb(168, 188, 102)  
}
```

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(168, 188, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 188, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2506, 0.3611, 0.4473 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(168, 188, 102) }
```

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

```
.border{ border-color:rgb(168, 188, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 188, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 188, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 188, 102);  
box-shadow:4px 4px 4px 4px rgb(168, 188,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2506, 0.3611, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 188, 102) }
```

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

```
.background{ background-color: rgb(168,  
188, 102) }
```

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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