

# Converting Colors

$Yxy(46.3424, 0.3626, 0.4346)$

Have a look what the booklet for  
Yxy(46.3424, 0.3626, 0.4346)  
contains.

<b>Yxy(46.3223, 0.3628, 0.4342)</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(46.3223, 0.3628, 0.4342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BC6E
RGB	176, 188, 110
RGB Percent	69%, 74%, 43%
CMY	0.3098, 0.2627, 0.5686
CMYK	0.06, 0.00, 0.41, 0.26
HSL	69°, 37%, 58%
HSV	69°, 41%, 74%
XYZ	38.7050, 46.3223, 21.6569
YIQ	175.5200, 17.8860, -26.8020

# Conversions

## Conversions Part 2

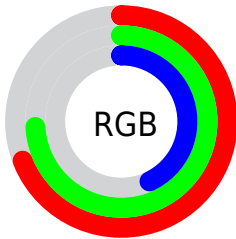
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 188, 122
Decimal	11582574
CIELab	73.75, -16.26, 38.00
CIELCh	74, 41.337, 113.171
Yxy	46.3223, 0.3628, 0.4342
Android (android.graphics.Color)	4289772654 (0xFFB0BC6E)
YUV	175.5200, -32.3014, 0.4210
Hunter-Lab	68.0605, -17.5954, 28.7762

# Details

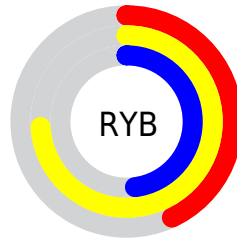
The Yxy color **46.3223, 0.3628, 0.4342** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.9239, 0.2475, 0.2065**, and the grayscale version is **43.3200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.3550, 0.4142**, and **21.7918, 0.3736, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **45.6240, 0.3731, 0.4583**, and if you desaturate by 10%, it is **47.1188, 0.3513, 0.4087**.

# Distribution



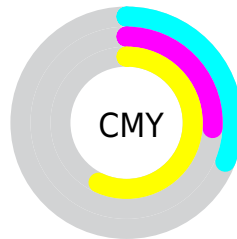
- Red (69%)
- Green (74%)
- Blue (43%)



- Red (43%)
- Yellow (74%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)




- Cyan (31%)
- Magenta (26%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3223, 0.3628, 0.4342 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 46.3223, 0.3628, 0.4342 by changing the saturation by 10% instead.





 46.3223, 0.3628,  
0.4342


 46.3223, 0.3628,  
0.4342


372.1029, 0.3395,  
0.3806


 32.5002, 0.3678,  
0.4475


 84.7011, 0.3549,  
0.4147


 21.7439, 0.3736,  
0.4645


 110.0267, 0.3517,  
0.4073

 13.6688, 0.3803,  
0.4866


 139.9556, 0.3490,  
0.4012

 7.8907, 0.3870,  
0.5159

 174.8721, 0.3466,  
0.3959

 4.0251, 0.4013,  
0.5695

215.1607, 0.3445,  
0.3913

 1.6876, 0.3875,  
0.6125

261.2058, 0.3426,

 0.4156, 0.0000,

0.3873

1.0000

313.3917, 0.3410,  
0.3837

■ 0.0000, 0.0000,  
0.0000

■ 46.3223, 0.3628,  
0.4342

■ 46.3223, 0.3628,  
0.4342

■ 45.6240, 0.3731,  
0.4583

■ 47.1188, 0.3513,  
0.4087

■ 45.0121, 0.3816,  
0.4798

■ 48.0124, 0.3391,  
0.3828

■ 44.4824, 0.3879,  
0.4979


■ 49.0099, 0.3267,  
0.3572

■ 44.0278, 0.3917,  
0.5119


■ 50.1156, 0.3145,  
0.3325

■ 43.6399, 0.3929,  
0.5213

■ 51.3337, 0.3027,  
0.3093

 43.3481, 0.3924,  
0.5266

 52.6681, 0.2915,  
0.2877

 54.1225, 0.2810,  
0.2679

 55.3466, 0.2746,  
0.2549

 55.7460, 0.2766,  
0.2553

# Harmonies

## Analogous

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



46.3223, 0.4081, 0.4134



46.3223, 0.3628, 0.4342



46.3223, 0.3064, 0.4216

# Triad

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



46.3223, 0.3628, 0.4342



46.3223, 0.2091, 0.2683



46.3223, 0.3694, 0.2872

# Complementary

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



46.3223, 0.3628, 0.4342



18.9239, 0.2475, 0.2065

# 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.



46.3223, 0.3105, 0.2554



46.3223, 0.3628, 0.4342



46.3223, 0.2220, 0.2427

# Square

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



46.3223, 0.3628, 0.4342



46.3223, 0.2201, 0.3158



46.3223, 0.2573, 0.2393



46.3223, 0.4142, 0.3290



# Rectangle

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



46.3223, 0.3628, 0.4342



46.3223, 0.2704, 0.3933



46.3223, 0.2573, 0.2393



46.3223, 0.3502, 0.2751

# Sweetspot

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



46.3244, 0.3628, 0.4342



88.6871, 0.3276, 0.3590



25.6664, 0.4105, 0.3457



19.0192, 0.3292, 0.3623



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.



46.3244, 0.3628, 0.4342



82.7655, 0.3724, 0.4567



42.4373, 0.3284, 0.4471



11.0443, 0.3241, 0.3518



29.5397, 0.3928, 0.5263



1.1775, 0.3995, 0.5210



# Inverse Universe

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



18.9239, 0.2475, 0.2065



26.2793, 0.2295, 0.1749



22.3327, 0.2873, 0.2190



9.2939, 0.3007, 0.3054



2.6700, 0.1570, 0.0639



0.1272, 0.1764, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 46.3223, 0.3628, 0.4342 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 46.3223, 0.3628, 0.4342 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 46.3223, 0.3628, 0.4342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.3223, 0.3628, 0.4342.



This preview shows how white text looks on a background with the Yxy color 46.3223, 0.3628, 0.4342.

# 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

46.3223, 0.3628, 0.4342

### Protanopia

46.1151, 0.3890, 0.4225

### Deuteranopia

46.1395, 0.4088, 0.4001



## Tritanopia

46.0857, 0.3084, 0.3111

# Trichromacy



**Original Color**

46.3223, 0.3628, 0.4342

**Protanomaly**

46.3108, 0.3791, 0.4274

**Deuteranomaly**

45.7072, 0.3915, 0.4116

**Tritanomaly**

46.0096, 0.3288, 0.3556

# Monochromacy



**Original Color**

46.3223, 0.3628, 0.4342

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

44.1396, 0.3320, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3223, 0.3628, 0.4342 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(176, 188, 110)` looks like.

```
.text, #text, p{  
    color:rgb(176, 188, 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(176, 188, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 188, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3223, 0.3628, 0.4342 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(176, 188, 110) }
```

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

```
.border{ border-color:rgb(176, 188, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 188, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 188, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 188, 110);  
box-shadow:4px 4px 4px 4px rgb(176, 188,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3223, 0.3628, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 188, 110) }
```

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

```
.background{ background-color: rgb(176,  
188, 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