

# Converting Colors

$Yxy(44.3395, 0.3999, 0.4732)$

Have a look what the booklet for  
Yxy(44.3395, 0.3999, 0.4732)  
contains.

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# Color

**Yxy(44.3395, 0.3999, 0.4732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B743
RGB	183, 183, 67
RGB Percent	72%, 72%, 26%
CMY	0.2824, 0.2823, 0.7373
CMYK	0.00, 0.00, 0.63, 0.28
HSL	60°, 46%, 49%
HSV	60°, 63%, 72%
XYZ	37.4712, 44.3395, 11.8907
YIQ	169.7760, 37.2360, -36.0760

# Conversions

## Conversions Part 2

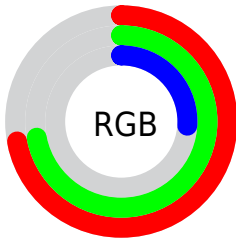
Format	Color
<a href="#">RYB</a>	<a href="#">67, 183, 67</a>
Decimal	<a href="#">12040003</a>
<a href="#">CIELab</a>	<a href="#">72.45, -14.65, 56.91</a>
<a href="#">CIElCh</a>	<a href="#">72, 58.765, 104.431</a>
<a href="#">Yxy</a>	<a href="#">44.3395, 0.3999, 0.4732</a>
Android (android.graphics.Color)	<a href="#">4290230083</a> ( <a href="#">0xFFB7B743</a> )
<a href="#">YUV</a>	<a href="#">169.7760, -50.6686, 11.5974</a>
<a href="#">Hunter-Lab</a>	<a href="#">66.5879, -16.0811, 36.0240</a>

# Details

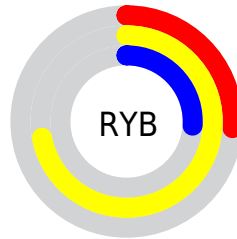
The Yxy color **44.3395, 0.3999, 0.4732** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.6258, 0.1913, 0.1282**, and the grayscale version is **40.3232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7898, 0.3872, 0.4490**, and **20.4795, 0.4152, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **44.1550, 0.4084, 0.4873**, and if you desaturate by 10%, it is **44.5975, 0.3890, 0.4552**.

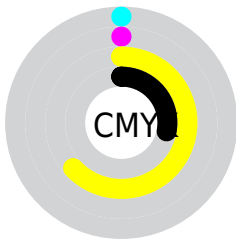
# Distribution



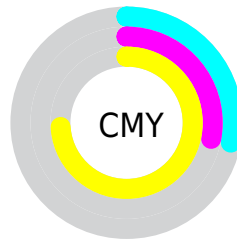
- Red (72%)
- Green (72%)
- Blue (26%)



- Red (26%)
- Yellow (72%)
- Blue (26%)



- Cyan (0%)
- Magenta (0%)
- Yellow (63%)
- Black (28%)




- Cyan (28%)
- Magenta (28%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3395, 0.3999, 0.4732 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 44.3395, 0.3999, 0.4732 by changing the saturation by 10% instead.





 44.3395, 0.3999,  
0.4732

 44.3395, 0.3999,  
0.4732

364.0919, 0.3608,  
0.4021


 30.9375, 0.4072,  
0.4893


 81.7284, 0.3873,  
0.4483

 20.5513, 0.4148,  
0.5084


 106.4840, 0.3821,  
0.4387


 12.7964, 0.4215,  
0.5308


 135.7930, 0.3774,  
0.4303

 7.2885, 0.4332,  
0.5668

 170.0397, 0.3733,  
0.4232

 3.6432, 0.4187,  
0.5813

 209.6086, 0.3696,  
0.4169

 1.4760, 0.3936,  
0.6064

254.8840, 0.3664,

 0.2718, 0.0000,

0.4114

1.0000

306.2503, 0.3634,  
0.4065

0.0000, 0.0000,  
0.0000

44.3395, 0.3999,  
0.4732

44.3395, 0.3999,  
0.4732

44.1550, 0.4084,  
0.4873

44.5975, 0.3890,  
0.4552

44.0310, 0.4144,  
0.4973

44.9288, 0.3763,  
0.4342

43.9614, 0.4179,  
0.5030

45.3407, 0.3623,  
0.4110

43.9343, 0.4193,  
0.5053

45.8379, 0.3475,  
0.3865

46.4250, 0.3324,  
0.3616

■ 47.1061, 0.3176,  
0.3371

■ 47.8850, 0.3034,  
0.3136

■ 48.7654, 0.2900,  
0.2914

■ 49.7508, 0.2775,  
0.2707

# Harmonies

## Analogous

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



44.3395, 0.4579, 0.4266



44.3395, 0.3999, 0.4732



44.3395, 0.3230, 0.4786

# Triad

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



44.3395, 0.3999, 0.4732



44.3395, 0.1718, 0.2565



44.3395, 0.3689, 0.2562

# Complementary

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



44.3395, 0.3999, 0.4732



8.6258, 0.1913, 0.1282

# 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.



44.3395, 0.2841, 0.2198



44.3395, 0.3999, 0.4732



44.3395, 0.1803, 0.2153

# Square

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



44.3395, 0.3999, 0.4732



44.3395, 0.1939, 0.3313



44.3395, 0.2179, 0.2048



44.3395, 0.4443, 0.3080



# Rectangle

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



44.3395, 0.3999, 0.4732



44.3395, 0.2711, 0.4469



44.3395, 0.2179, 0.2048



44.3395, 0.3399, 0.2420

# Sweetspot

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



44.3416, 0.3999, 0.4732



82.4934, 0.3413, 0.3763



14.4863, 0.5131, 0.3296



18.1564, 0.3456, 0.3834



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



44.3416, 0.3999, 0.4732



78.9719, 0.4111, 0.4917



38.6365, 0.3456, 0.5056



10.5033, 0.3264, 0.3516



30.6452, 0.4193, 0.5053



1.0804, 0.4193, 0.5053



# Inverse Universe

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



8.6258, 0.1913, 0.1282



9.9100, 0.1685, 0.0905



11.7917, 0.2473, 0.1534



8.7196, 0.2984, 0.3054



2.3854, 0.1500, 0.0600



0.0841, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 44.3395, 0.3999, 0.4732 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 44.3395, 0.3999, 0.4732 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 44.3395, 0.3999, 0.4732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3395, 0.3999, 0.4732.



This preview shows how white text looks on a background with the Yxy color 44.3395, 0.3999, 0.4732.

# 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

44.3395, 0.3999, 0.4732

### Protanopia

44.2399, 0.4186, 0.4608

### Deuteranopia

44.2030, 0.4449, 0.4357



## Tritanopia

44.0979, 0.3216, 0.3113

# Trichromacy



## Original Color

44.3395, 0.3999, 0.4732

## Protanomaly

44.3733, 0.4123, 0.4655

## Deuteranomaly

43.9797, 0.4282, 0.4487

## Tritanomaly

43.5601, 0.3548, 0.3729

# Monochromacy



## Original Color

44.3395, 0.3999, 0.4732

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.4674, 0.3483, 0.3878

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3395, 0.3999, 0.4732 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(183, 183, 67)` looks like.

```
.text, #text, p{  
    color:rgb(183, 183, 67)  
}
```

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(183, 183, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 183, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3395, 0.3999, 0.4732 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(183, 183, 67) }
```

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

```
.border{ border-color:rgb(183, 183, 67) }
```

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

Here you see how a box with a 4 pixel rgb(183, 183, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 183, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 183, 67);  
box-shadow:4px 4px 4px 4px rgb(183, 183,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3395, 0.3999, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 183, 67) }
```

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

```
.background{ background-color: rgb(183,  
183, 67) }
```

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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