

# Converting Colors

$Y_{xy}(39.3917, 0.4417, 0.4875)$

Have a look what the booklet for  
Yxy(39.3917, 0.4417, 0.4875)  
contains.

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**Color**

**Yxy(39.4523, 0.4412, 0.4879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFA900
RGB	191, 169, 0
RGB Percent	75%, 66%, 0%
CMY	0.2509, 0.3373, 1.0000
CMYK	0.00, 0.12, 1.00, 0.25
HSL	53°, 100%, 37%
HSV	53°, 100%, 75%
XYZ	35.6761, 39.4523, 5.7331
YIQ	156.3120, 67.3610, -47.8950

# Conversions

## Conversions Part 2

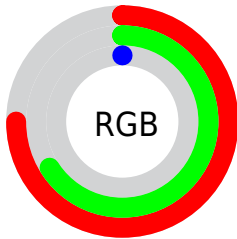
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	25, 191, 0
Decimal	12560640
CIE Lab	69.08, -6.04, 71.72
CIE LCh	69, 71.978, 94.813
Yxy	39.4523, 0.4412, 0.4879
Android (android.graphics.Color)	4290750720 (0xFFBFA900)
YUV	156.3120, -77.0618, 30.4214
Hunter-Lab	62.8111, -8.5331, 38.5561

# Details

The Yxy color **39.4523, 0.4412, 0.4879** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.3364, 0.1523, 0.0681**, and the grayscale version is **33.7231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3564, 0.4238, 0.4649**, and **17.7091, 0.4415, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **39.4543, 0.4412, 0.4879**, and if you desaturate by 10%, it is **40.3276, 0.4361, 0.4857**.

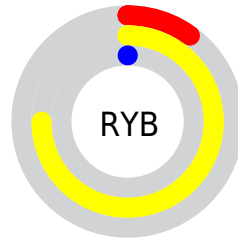
# Distribution



Red (75%)

Green (66%)

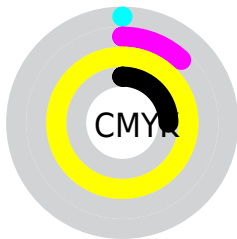
Blue (0%)



Red (10%)

Yellow (75%)

Blue (0%)

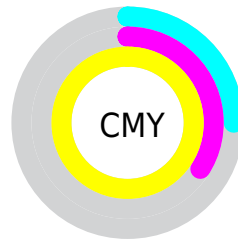


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (34%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4523, 0.4412, 0.4879 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 39.4523, 0.4412, 0.4879 by changing the saturation by 10% instead.




 39.4523, 0.4412,  
0.4879


 39.4523, 0.4412,  
0.4879


343.8097, 0.3849,  
0.4149


 27.1118, 0.4503,  
0.5013


 74.3288, 0.4240,  
0.4645


 17.6572, 0.4586,  
0.5151


 97.6335, 0.4165,  
0.4546


 10.7041, 0.4680,  
0.5320


 125.3618, 0.4097,  
0.4459


 5.8683, 0.4637,  
0.5363

 157.8979, 0.4037,  
0.4382

 2.7651, 0.4568,  
0.5432

 195.6264, 0.3982,  
0.4314

 1.0104, 0.4443,  
0.5557

 238.9316, 0.3933,

 0.0000, 0.0000,

0.4252

0.0000

288.1979, 0.3889,  
0.4198

39.4523, 0.4412,  
0.4879

39.4523, 0.4412,  
0.4879

39.4543, 0.4412,  
0.4879

40.3276, 0.4361,  
0.4857

41.2613, 0.4287,  
0.4798

42.2722, 0.4185,  
0.4695

43.3690, 0.4060,  
0.4551

44.5587, 0.3915,  
0.4373

■ 45.8479, 0.3759,  
0.4170

■ 47.2423, 0.3597,  
0.3952

■ 48.7472, 0.3435,  
0.3728

■ 50.3673, 0.3277,  
0.3506

# Harmonies

## Analogous

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



39.4523, 0.5046, 0.4173



39.4523, 0.4412, 0.4879



39.4523, 0.3507, 0.5271

# Triad

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



39.4523, 0.4412, 0.4879



39.4523, 0.1459, 0.2601



39.4523, 0.3468, 0.2234

# Complementary

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



39.4523, 0.4412, 0.4879



4.3364, 0.1523, 0.0681

# 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.



39.4523, 0.2460, 0.1882



39.4523, 0.4412, 0.4879



39.4523, 0.1460, 0.1996

# Square

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



39.4523, 0.4412, 0.4879



39.4523, 0.1816, 0.3672



39.4523, 0.1785, 0.1788



39.4523, 0.4532, 0.2790



# Rectangle

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



39.4523, 0.4412, 0.4879



39.4523, 0.2864, 0.5091



39.4523, 0.1785, 0.1788



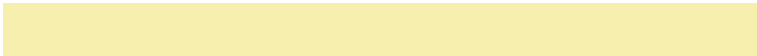
39.4523, 0.3105, 0.2091

# Sweetspot

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



39.4543, 0.4412, 0.4879



84.4759, 0.3605, 0.3963



11.1370, 0.6261, 0.3223



18.3117, 0.3674, 0.4057



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.



39.4543, 0.4412, 0.4879



70.4206, 0.4416, 0.4876



41.1041, 0.3536, 0.5574



10.9277, 0.3267, 0.3491



26.0007, 0.4409, 0.4882



1.0724, 0.4350, 0.4928



# Inverse Universe

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



4.3364, 0.1523, 0.0681



7.5916, 0.1519, 0.0668



5.1873, 0.1816, 0.0774



9.3977, 0.2984, 0.3081



2.9118, 0.1526, 0.0694

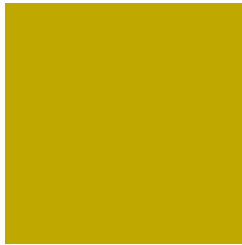


0.1734, 0.1610, 0.0996



# Previews

## White Background



This preview shows how the Yxy color 39.4523, 0.4412, 0.4879 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 39.4523, 0.4412, 0.4879 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 39.4523, 0.4412, 0.4879**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4523, 0.4412, 0.4879.

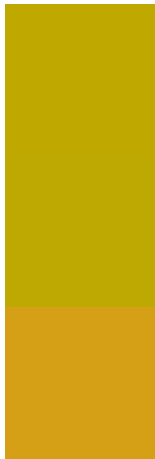


This preview shows how white text looks on a background with the Yxy color 39.4523, 0.4412, 0.4879.

# 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

39.4523, 0.4412, 0.4879

### Protanopia

39.3275, 0.4399, 0.4883

### Deuteranopia

39.3419, 0.4686, 0.4592



## Tritanopia

39.3960, 0.3449, 0.3138

# Trichromacy



## Original Color

39.4523, 0.4412, 0.4879

## Protanomaly

39.3253, 0.4401, 0.4885

## Deuteranomaly

39.2026, 0.4594, 0.4696

## Tritanomaly

38.4428, 0.3987, 0.3984

# Monochromacy



## Original Color

39.4523, 0.4412, 0.4879

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

34.8256, 0.3776, 0.4193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4523, 0.4412, 0.4879 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(191, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 169, 0)  
}
```

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(191, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 169, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4523, 0.4412, 0.4879 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(191, 169, 0) }
```

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

```
.border{ border-color:rgb(191, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 169,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4523, 0.4412, 0.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 169, 0) }
```

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

```
.background{ background-color: rgb(191,  
169, 0) }
```

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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