

# Converting Colors

$Yxy(35.6377, 0.4499, 0.4809)$

Have a look what the booklet for  
Yxy(35.6377, 0.4499, 0.4809)  
contains.

<b>Yxy(35.6151, 0.4504, 0.4805)</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(35.6151, 0.4504, 0.4805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD9F00
RGB	189, 159, 0
RGB Percent	74%, 62%, 0%
CMY	0.2589, 0.3764, 0.9990
CMYK	0.00, 0.16, 1.00, 0.26
HSL	50°, 100%, 37%
HSV	50°, 100%, 74%
XYZ	33.3841, 35.6151, 5.1218
YIQ	149.8440, 68.9190, -43.0890

# Conversions

## Conversions Part 2

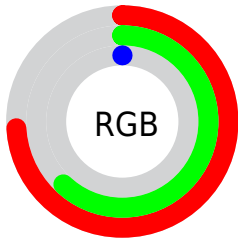
Format	Color
R <sub>Y</sub> B	36, 189, 0
Decimal	12427008
CIE Lab	66.22, -1.64, 69.57
CIE LCh	66, 69.590, 91.348
Yxy	35.6151, 0.4504, 0.4805
Android (android.graphics.Color)	4290617088 (0xFFBD9F00)
YUV	149.8440, -73.8731, 34.3398
Hunter-Lab	59.6784, -4.5844, 36.6864

# Details

The Yxy color **35.6151, 0.4504, 0.4805** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.6161, 0.1538, 0.0735**, and the grayscale version is **30.7399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2362, 0.4309, 0.4585**, and **15.5504, 0.4530, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **35.6024, 0.4505, 0.4805**, and if you desaturate by 10%, it is **36.7092, 0.4439, 0.4789**.

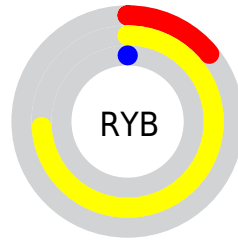
# Distribution



Red (74%)

Green (62%)

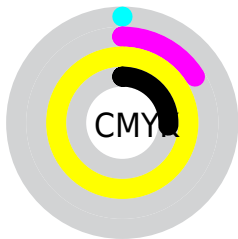
Blue (0%)



Red (14%)

Yellow (74%)

Blue (0%)

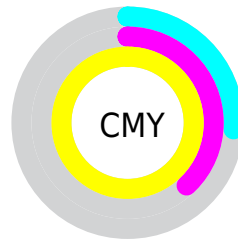


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (38%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6151, 0.4504, 0.4805 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 35.6151, 0.4504, 0.4805 by changing the saturation by 10% instead.





 35.6151, 0.4504,  
0.4805


 35.6151, 0.4504,  
0.4805


327.2751, 0.3881,  
0.4110

 24.1371, 0.4611,  
0.4928


 68.4376, 0.4309,  
0.4584


 15.4353, 0.4715,  
0.5053

 90.5508, 0.4225,  
0.4491


 9.1255, 0.4818,  
0.5182


 116.9779, 0.4150,  
0.4407

 4.8231, 0.4805,  
0.5195

 148.1032, 0.4084,  
0.4334

 2.1439, 0.4784,  
0.5216

 184.3112, 0.4024,  
0.4268

 0.6891, 0.4716,  
0.5284

 225.9863, 0.3971,

 0.0000, 0.0000,

0.4210

0.0000

273.5128, 0.3924,  
0.4157

35.6151, 0.4504,  
0.4805

35.6151, 0.4504,  
0.4805

35.6024, 0.4505,  
0.4805

36.7092, 0.4439,  
0.4789

37.8725, 0.4350,  
0.4735

39.1232, 0.4234,  
0.4636

40.4696, 0.4094,  
0.4497

41.9190, 0.3938,  
0.4324

■ 43.4776, 0.3772,  
0.4128

■ 45.1511, 0.3603,  
0.3919

■ 46.9448, 0.3436,  
0.3704

■ 48.8634, 0.3276,  
0.3492

# Harmonies

## Analogous

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



35.6151, 0.5090, 0.4089



35.6151, 0.4504, 0.4805



35.6151, 0.3618, 0.5260

# Triad

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



35.6151, 0.4504, 0.4805



35.6151, 0.1480, 0.2701



35.6151, 0.3340, 0.2181

# Complementary

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



35.6151, 0.4504, 0.4805



4.6161, 0.1538, 0.0735

# 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.



35.6151, 0.2363, 0.1857



35.6151, 0.4504, 0.4805



35.6151, 0.1443, 0.2043

# Square

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



35.6151, 0.4504, 0.4805



35.6151, 0.1883, 0.3816



35.6151, 0.1730, 0.1795



35.6151, 0.4423, 0.2718



# Rectangle

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



35.6151, 0.4504, 0.4805



35.6151, 0.2974, 0.5155



35.6151, 0.1730, 0.1795



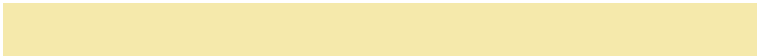
35.6151, 0.2984, 0.2046

# Sweetspot

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



35.6168, 0.4504, 0.4805



80.6834, 0.3613, 0.3932



10.9260, 0.6157, 0.3166



17.0745, 0.3685, 0.4021



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.



35.6168, 0.4504, 0.4805



63.4749, 0.4510, 0.4801



40.8338, 0.3617, 0.5509



10.8553, 0.3268, 0.3482



24.0495, 0.4500, 0.4809



1.0124, 0.4415, 0.4876



# Inverse Universe

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



4.6161, 0.1538, 0.0735



8.0243, 0.1532, 0.0716



4.7415, 0.1745, 0.0736



9.4636, 0.2984, 0.3091



3.1724, 0.1541, 0.0749



0.2024, 0.1648, 0.1131



# Previews

## White Background



This preview shows how the Yxy color 35.6151, 0.4504, 0.4805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

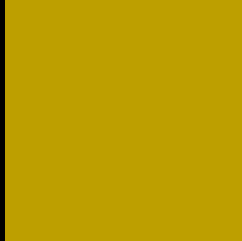
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.6151, 0.4504, 0.4805 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 35.6151, 0.4504, 0.4805**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.6151, 0.4504, 0.4805.

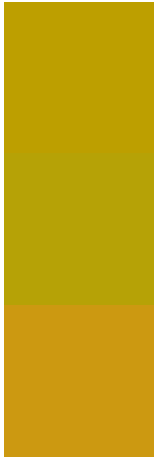


This preview shows how white text looks on a background with the Yxy color 35.6151, 0.4504, 0.4805.

# 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

35.6151, 0.4504, 0.4805

### Protanopia

35.7989, 0.4391, 0.4875

### Deuteranopia

35.6603, 0.4693, 0.4598



## Tritanopia

35.6888, 0.3539, 0.3147

# Trichromacy



## Original Color

35.6151, 0.4504, 0.4805

## Protanomaly

35.8128, 0.4436, 0.4847

## Deuteranomaly

35.6090, 0.4633, 0.4669

## Tritanomaly

34.9982, 0.4089, 0.3966

# Monochromacy



## Original Color

35.6151, 0.4504, 0.4805

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

31.5195, 0.3793, 0.4149

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.6151, 0.4504, 0.4805 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(189, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 159, 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(189, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 159, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 35.6151, 0.4504, 0.4805 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(189, 159, 0) }
```

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

```
.border{ border-color:rgb(189, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 159,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.6151, 0.4504, 0.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 159, 0) }
```

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

```
.background{ background-color: rgb(189,  
159, 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](#).

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