

# Converting Colors

$Y_{xy}(36.0941, 0.4520, 0.4793)$

Have a look what the booklet for  
Yxy(36.0941, 0.4520, 0.4793)  
contains.

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**Color**

**Yxy(36.2180, 0.4513, 0.4799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFA000
RGB	191, 160, 0
RGB Percent	75%, 63%, 0%
CMY	0.2509, 0.3726, 1.0000
CMYK	0.00, 0.16, 1.00, 0.25
HSL	50°, 100%, 37%
HSV	50°, 100%, 75%
XYZ	34.0596, 36.2180, 5.1923
YIQ	151.0290, 69.8360, -43.1880

# Conversions

## Conversions Part 2

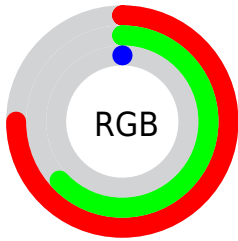
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 191, 0
Decimal	12558336
CIELab	66.69, -1.26, 70.04
CIElCh	67, 70.047, 91.033
Yxy	36.2180, 0.4513, 0.4799
Android (android.graphics.Color)	4290748416 (0xFFBFA000)
YUV	151.0290, -74.4573, 35.0546
Hunter-Lab	60.1814, -4.2957, 37.0116

# Details

The Yxy color **36.2180, 0.4513, 0.4799** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.7433, 0.1538, 0.0737**, and the grayscale version is **31.2650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1104, 0.4318, 0.4584**, and **15.9238, 0.4541, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **36.2200, 0.4513, 0.4799**, and if you desaturate by 10%, it is **37.3563, 0.4447, 0.4784**.

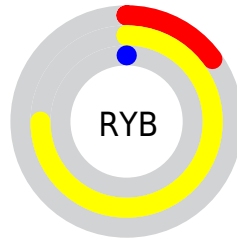
# Distribution



Red (75%)

Green (63%)

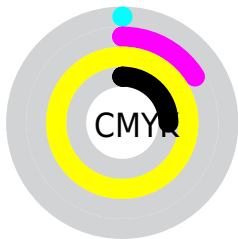
Blue (0%)



Red (15%)

Yellow (75%)

Blue (0%)

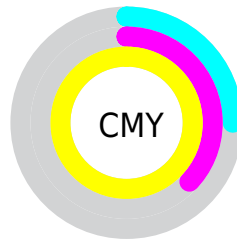


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (37%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2180, 0.4513, 0.4799 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 36.2180, 0.4513, 0.4799 by changing the saturation by 10% instead.





 36.2180, 0.4513,  
0.4799


 36.2180, 0.4513,  
0.4799


329.9124, 0.3887,  
0.4111

 24.6026, 0.4620,  
0.4920


 69.3684, 0.4317,  
0.4581


 15.7812, 0.4725,  
0.5041


 91.6722, 0.4233,  
0.4489


 9.3695, 0.4831,  
0.5169


 118.3076, 0.4158,  
0.4406

 4.9830, 0.4821,  
0.5179

 149.6590, 0.4091,  
0.4333

 2.2373, 0.4806,  
0.5194

 186.1108, 0.4031,  
0.4268

 0.7402, 0.4761,  
0.5239

 228.0474, 0.3978,

 0.0000, 0.0000,

0.4210

0.0000

275.8531, 0.3930,  
0.4158

36.2180, 0.4513,  
0.4799

36.2180, 0.4513,  
0.4799

36.2200, 0.4513,  
0.4799

37.3563, 0.4447,  
0.4784

38.5662, 0.4358,  
0.4732

39.8665, 0.4240,  
0.4634

41.2661, 0.4100,  
0.4495

42.7723, 0.3943,  
0.4324

■ 44.3916, 0.3776,  
0.4128

■ 46.1299, 0.3606,  
0.3920

■ 47.9925, 0.3439,  
0.3706

■ 49.9844, 0.3278,  
0.3494

# Harmonies

## Analogous

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



36.2180, 0.5095, 0.4081



36.2180, 0.4513, 0.4799



36.2180, 0.3629, 0.5260

# Triad

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



36.2180, 0.4513, 0.4799



36.2180, 0.1481, 0.2710



36.2180, 0.3329, 0.2176

# Complementary

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



36.2180, 0.4513, 0.4799



4.7433, 0.1538, 0.0737

# 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.



36.2180, 0.2354, 0.1854



36.2180, 0.4513, 0.4799



36.2180, 0.1441, 0.2046

# Square

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



36.2180, 0.4513, 0.4799



36.2180, 0.1888, 0.3830



36.2180, 0.1724, 0.1795



36.2180, 0.4414, 0.2711



# Rectangle

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



36.2180, 0.4513, 0.4799



36.2180, 0.2983, 0.5162



36.2180, 0.1724, 0.1795



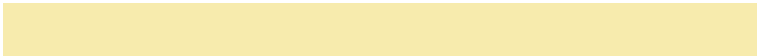
36.2180, 0.2973, 0.2042

# Sweetspot

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



36.2200, 0.4513, 0.4799



82.4494, 0.3614, 0.3930



11.1820, 0.6162, 0.3168



17.8085, 0.3687, 0.4020



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.



36.2200, 0.4513, 0.4799



64.5528, 0.4518, 0.4794



41.8078, 0.3617, 0.5510



10.8495, 0.3268, 0.3481



23.8978, 0.4508, 0.4803



1.0077, 0.4421, 0.4872



# Inverse Universe

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



4.7433, 0.1538, 0.0737



8.2658, 0.1533, 0.0720



4.8414, 0.1743, 0.0734



9.4690, 0.2984, 0.3092



3.1965, 0.1543, 0.0754



0.2047, 0.1651, 0.1141



# Previews

## White Background



This preview shows how the Yxy color 36.2180, 0.4513, 0.4799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

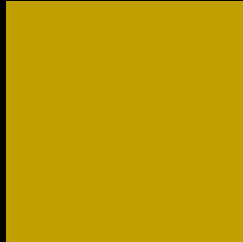
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.2180, 0.4513, 0.4799 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 36.2180, 0.4513, 0.4799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.2180, 0.4513, 0.4799.

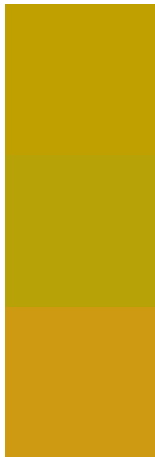


This preview shows how white text looks on a background with the Yxy color 36.2180, 0.4513, 0.4799.

# 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

36.2180, 0.4513, 0.4799

### Protanopia

36.2770, 0.4389, 0.4874

### Deuteranopia

36.1308, 0.4691, 0.4601



## Tritanopia

36.3123, 0.3547, 0.3148

# Trichromacy



## Original Color

36.2180, 0.4513, 0.4799

## Protanomaly

36.2885, 0.4434, 0.4848

## Deuteranomaly

36.0805, 0.4631, 0.4671

## Tritanomaly

35.6121, 0.4094, 0.3960

# Monochromacy



## Original Color

36.2180, 0.4513, 0.4799

## Achromatopsia

30.9469, 0.3127, 0.3290

## Achromatomaly

32.0627, 0.3809, 0.4155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2180, 0.4513, 0.4799 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, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 160, 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, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 160, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2180, 0.4513, 0.4799 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, 160, 0) }
```

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

```
.border{ border-color:rgb(191, 160, 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, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 160,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.2180, 0.4513, 0.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 160, 0) }
```

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

```
.background{ background-color: rgb(191,  
160, 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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