

# Converting Colors

$Y_{xy}(35.1530, 0.4724, 0.4631)$

Have a look what the booklet for  
Yxy(35.1530, 0.4724, 0.4631)  
contains.

<b>Yxy(35.1530, 0.4724, 0.4631)</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(35.1530, 0.4724, 0.4631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB9800
RGB	203, 152, 0
RGB Percent	80%, 60%, 0%
CMY	0.2039, 0.4039, 0.9998
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	35.8589, 35.1530, 4.8961
YIQ	149.9210, 79.1880, -36.4600

# Conversions

## Conversions Part 2

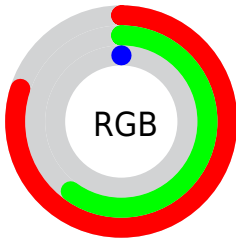
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	68, 203, 0
Decimal	13342720
CIELab	65.87, 8.41, 70.03
CIElCh	66, 70.534, 83.150
Yxy	35.1530, 0.4724, 0.4631
Android (android.graphics.Color)	4291532800 (0xFFCB9800)
YUV	149.9210, -73.9111, 46.5503
Hunter-Lab	59.2900, 4.2005, 36.6069

# Details

The Yxy color **35.1530, 0.4724, 0.4631** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **6.6845, 0.1578, 0.0882**, and the grayscale version is **30.7618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8970, 0.4414, 0.4506**, and **15.1470, 0.4812, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **35.1512, 0.4724, 0.4631**, and if you desaturate by 10%, it is **36.8984, 0.4628, 0.4636**.

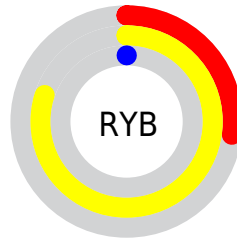
# Distribution



Red (80%)

Green (60%)

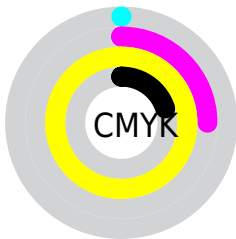
Blue (0%)



Red (27%)

Yellow (80%)

Blue (0%)

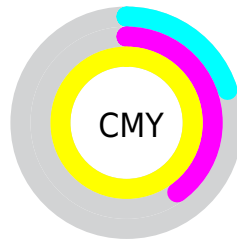


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (40%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1530, 0.4724, 0.4631 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 35.1530, 0.4724, 0.4631 by changing the saturation by 10% instead.




 35.1530, 0.4724,  
0.4631


 35.1530, 0.4724,  
0.4631


325.2431, 0.3984,  
0.4052


 23.7808, 0.4860,  
0.4718


 67.7227, 0.4486,  
0.4459

 15.1711, 0.5004,  
0.4796


 89.6890, 0.4386,  
0.4381


 8.9395, 0.5150,  
0.4850


 115.9554, 0.4298,  
0.4311

 4.7018, 0.5215,  
0.4785

 146.9063, 0.4219,  
0.4248

 2.0734, 0.5318,  
0.4682

 182.9262, 0.4150,  
0.4191


 0.6496, 0.5588,  
0.4412


 224.3993, 0.4088,


 0.0000, 0.0000,


0.4140


0.0000


 271.7102, 0.4033,  
0.4093


 35.1530, 0.4724,  
0.4631

 35.1530, 0.4724,  
0.4631


 35.1512, 0.4724,  
0.4631

 36.8984, 0.4628,  
0.4636

 38.7683, 0.4506,  
0.4599

 40.7841, 0.4356,  
0.4515

 42.9564, 0.4184,  
0.4389

 45.2944, 0.4000,  
0.4231

■ 47.8064, 0.3812,  
0.4051

■ 50.4996, 0.3626,  
0.3860

■ 53.3810, 0.3448,  
0.3665

■ 56.4568, 0.3281,  
0.3474

# Harmonies

## Analogous

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



35.1530, 0.5194, 0.3891



35.1530, 0.4724, 0.4631



35.1530, 0.3882, 0.5221

# Triad

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



35.1530, 0.4724, 0.4631



35.1530, 0.1528, 0.2957



35.1530, 0.3044, 0.2052

# Complementary

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



35.1530, 0.4724, 0.4631



6.6845, 0.1578, 0.0882

# 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.



35.1530, 0.2138, 0.1793



35.1530, 0.4724, 0.4631



35.1530, 0.1398, 0.2158

# Square

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



35.1530, 0.4724, 0.4631



35.1530, 0.2044, 0.4175



35.1530, 0.1599, 0.1808



35.1530, 0.4162, 0.2544



# Rectangle

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



35.1530, 0.4724, 0.4631



35.1530, 0.3234, 0.5289



35.1530, 0.1599, 0.1808



35.1530, 0.2704, 0.1937

# Sweetspot

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



35.1548, 0.4724, 0.4631



84.3558, 0.3634, 0.3868



12.9666, 0.5891, 0.3019



17.6363, 0.3713, 0.3950



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



35.1548, 0.4724, 0.4631



58.4849, 0.4732, 0.4624



49.7493, 0.3784, 0.5378



12.6006, 0.3272, 0.3463



22.5192, 0.4715, 0.4638



1.2779, 0.4592, 0.4736



# Inverse Universe

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



6.6845, 0.1578, 0.0882



10.8963, 0.1573, 0.0862



4.9270, 0.1624, 0.0668



11.2945, 0.2983, 0.3111



4.3755, 0.1584, 0.0903

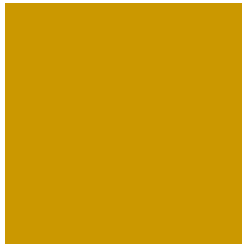


0.3502, 0.1693, 0.1294



# Previews

## White Background



This preview shows how the Yxy color 35.1530, 0.4724, 0.4631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

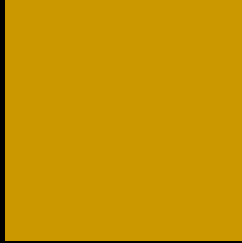
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1530, 0.4724, 0.4631 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 35.1530, 0.4724, 0.4631**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1530, 0.4724, 0.4631.



This preview shows how white text looks on a background with the Yxy color 35.1530, 0.4724, 0.4631.

# 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

35.1530, 0.4724, 0.4631

### Protanopia

35.3377, 0.4385, 0.4864

### Deuteranopia

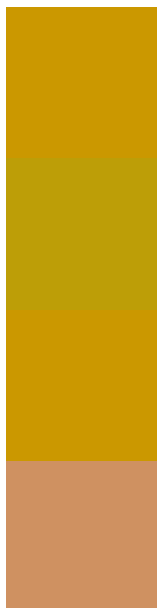
35.1530, 0.4724, 0.4631



## Tritanopia

35.0184, 0.3761, 0.3153

# Trichromacy



## Original Color

35.1530, 0.4724, 0.4631

## Protanomaly

35.2879, 0.4506, 0.4782

## Deuteranomaly

35.1530, 0.4724, 0.4631

## Tritanomaly

34.3793, 0.4303, 0.3892

# Monochromacy



## Original Color

35.1530, 0.4724, 0.4631

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

31.3945, 0.3870, 0.4119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1530, 0.4724, 0.4631 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(203, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 152, 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(203, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 152, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1530, 0.4724, 0.4631 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(203, 152, 0) }
```

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

```
.border{ border-color:rgb(203, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(203, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 152,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1530, 0.4724, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 152, 0) }
```

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

```
.background{ background-color: rgb(203,  
152, 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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