

# Converting Colors

$Y_{xy}(26.3239, 0.4960, 0.4477)$

Have a look what the booklet for  
Yxy(26.3239, 0.4960, 0.4477)  
contains.

<b>Yxy(26.2551, 0.4939, 0.4460)</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(26.2551, 0.4939, 0.4460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF7F00
RGB	191, 127, 0
RGB Percent	75%, 50%, 0%
CMY	0.2510, 0.5019, 0.9996
CMYK	0.00, 0.34, 1.00, 0.25
HSL	40°, 100%, 37%
HSV	40°, 100%, 75%
XYZ	29.0749, 26.2551, 3.5380
YIQ	131.6580, 78.9110, -25.9290

# Conversions

## Conversions Part 2

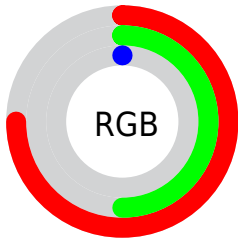
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	96, 191, 0
Decimal	12549888
CIE <sub>Lab</sub>	58.28, 16.73, 64.25
CIE <sub>LCh</sub>	58, 66.388, 75.403
Yxy	26.2551, 0.4939, 0.4460
Android (android.graphics.Color)	4290739968 (0xFFBF7F00)
YUV	131.6580, -64.9074, 52.0429
Hunter-Lab	51.2397, 11.6164, 31.7740

# Details

The Yxy color **26.2551, 0.4939, 0.4460** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.4389, 0.1634, 0.1081**, and the grayscale version is **23.1665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7676, 0.4630, 0.4326**, and **10.3543, 0.5111, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **26.2475, 0.4940, 0.4460**, and if you desaturate by 10%, it is **28.0107, 0.4807, 0.4481**.

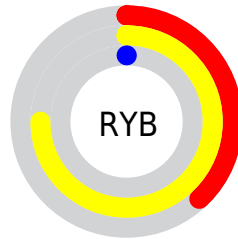
# Distribution



Red (75%)

Green (50%)

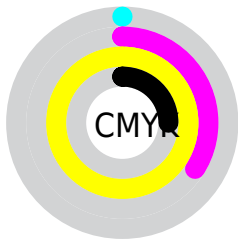
Blue (0%)



Red (38%)

Yellow (75%)

Blue (0%)

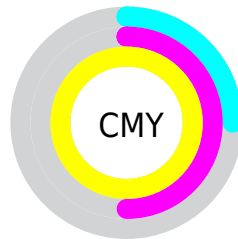


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (50%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2551, 0.4939, 0.4460 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 26.2551, 0.4939, 0.4460 by changing the saturation by 10% instead.




 26.2551, 0.4939,  
0.4460


 26.2551, 0.4939,  
0.4460


284.0321, 0.4041,  
0.3964


 17.0146, 0.5118,  
0.4516


 53.6862, 0.4637,  
0.4322


 10.2449, 0.5361,  
0.4584


 72.6456, 0.4514,  
0.4256


 5.5616, 0.5502,  
0.4498

 95.6133, 0.4407,  
0.4195


 2.5804, 0.5673,  
0.4327

 122.9739, 0.4314,  
0.4139

 0.9168, 0.5973,  
0.4027

 155.1117, 0.4233,  
0.4088

 0.0000, 1.0000,  
0.0000


 192.4110, 0.4161,


 0.0000, 0.0000,

0.4043


0.0000


 235.2564, 0.4098,  
0.4001

 26.2551, 0.4939,  
0.4460


 26.2551, 0.4939,  
0.4460


 26.2475, 0.4940,  
0.4460

 28.0107, 0.4807,  
0.4481

 29.9187, 0.4648,  
0.4459

 31.9988, 0.4463,  
0.4388

 34.2614, 0.4259,  
0.4275

 36.7153, 0.4049,  
0.4132

■ 39.3687, 0.3841,  
0.3969

■ 42.2288, 0.3641,  
0.3797

■ 45.3025, 0.3454,  
0.3623

■ 48.5961, 0.3282,  
0.3452

# Harmonies

## Analogous

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



26.2551, 0.5288, 0.3700



26.2551, 0.4939, 0.4460



26.2551, 0.4137, 0.5159

# Triad

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



26.2551, 0.4939, 0.4460



26.2551, 0.1575, 0.3236



26.2551, 0.2763, 0.1923

# Complementary

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



26.2551, 0.4939, 0.4460



7.4389, 0.1634, 0.1081

# 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.



26.2551, 0.1928, 0.1727



26.2551, 0.4939, 0.4460



26.2551, 0.1351, 0.2279

# Square

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



26.2551, 0.4939, 0.4460



26.2551, 0.2206, 0.4544



26.2551, 0.1472, 0.1819



26.2551, 0.3899, 0.2370



# Rectangle

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



26.2551, 0.4939, 0.4460



26.2551, 0.3486, 0.5385



26.2551, 0.1472, 0.1819



26.2551, 0.2442, 0.1828

# Sweetspot

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



26.2564, 0.4939, 0.4460



75.3565, 0.3651, 0.3806



11.4822, 0.5581, 0.2849



16.0592, 0.3735, 0.3880



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.



26.2564, 0.4939, 0.4460



46.5456, 0.4954, 0.4448



44.9790, 0.3930, 0.5261



10.5670, 0.3272, 0.3442



17.4037, 0.4927, 0.4470



0.7976, 0.4710, 0.4642



# Inverse Universe

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



7.4389, 0.1634, 0.1081



12.9102, 0.1626, 0.1053



4.0209, 0.1560, 0.0634



9.7340, 0.2984, 0.3133



5.0179, 0.1640, 0.1104

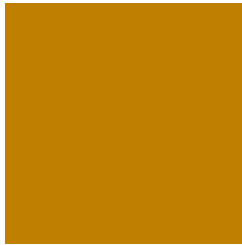


0.3195, 0.1781, 0.1610



# Previews

## White Background



This preview shows how the Yxy color 26.2551, 0.4939, 0.4460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2551, 0.4939, 0.4460 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.2551, 0.4939, 0.4460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.2551, 0.4939, 0.4460.



This preview shows how white text looks on a background with the Yxy color 26.2551, 0.4939, 0.4460.

# 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

26.2551, 0.4939, 0.4460

### Protanopia

26.4497, 0.4379, 0.4847

### Deuteranopia

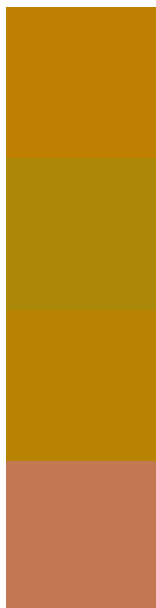
26.2400, 0.4722, 0.4633



## Tritanopia

26.2249, 0.3999, 0.3171

# Trichromacy



## Original Color

26.2551, 0.4939, 0.4460

## Protanomaly

26.2838, 0.4589, 0.4704

## Deuteranomaly

26.2999, 0.4802, 0.4569

## Tritanomaly

25.7382, 0.4532, 0.3816

# Monochromacy



## Original Color

26.2551, 0.4939, 0.4460

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

23.3777, 0.3931, 0.4045

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2551, 0.4939, 0.4460 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, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 127, 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, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 127, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2551, 0.4939, 0.4460 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, 127, 0) }
```

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

```
.border{ border-color:rgb(191, 127, 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, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 127,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2551, 0.4939, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 127, 0) }
```

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

```
.background{ background-color: rgb(191,  
127, 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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