

# Converting Colors

$Y_{xy}(24.3587, 0.4708, 0.4509)$

Have a look what the booklet for  
Yxy(24.3587, 0.4708, 0.4509)  
contains.

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**Color**

**$\text{Yxy}(24.3587, 0.4708, 0.4509)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF7F18
RGB	175, 127, 24
RGB Percent	69%, 50%, 9%
CMY	0.3137, 0.5019, 0.9055
CMYK	0.00, 0.27, 0.86, 0.31
HSL	41°, 76%, 39%
HSV	41°, 86%, 69%
XYZ	25.4337, 24.3587, 4.2300
YIQ	129.6100, 61.6710, -21.8570

# Conversions

## Conversions Part 2

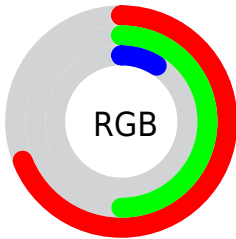
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 175, 24
Decimal	11501336
CIE Lab	56.45, 9.94, 57.17
CIE LCh	56, 58.026, 80.139
Yxy	24.3587, 0.4708, 0.4509
Android (android.graphics.Color)	4289691416 (0xFFAF7F18)
YUV	129.6100, -52.0657, 39.8070
Hunter-Lab	49.3545, 5.6155, 29.4667

# Details

The Yxy color **24.3587, 0.4708, 0.4509** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.9355, 0.1742, 0.1325**, and the grayscale version is **22.3532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8692, 0.4431, 0.4335**, and **9.3003, 0.4913, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **22.9099, 0.4841, 0.4507**, and if you desaturate by 10%, it is **25.9354, 0.4545, 0.4462**.

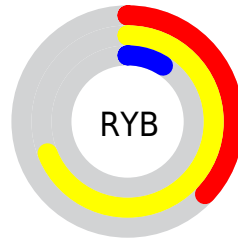
# Distribution



Red (69%)

Green (50%)

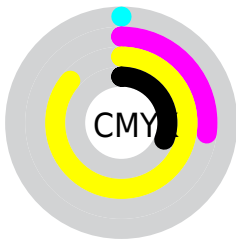
Blue (9%)



Red (37%)

Yellow (69%)

Blue (9%)

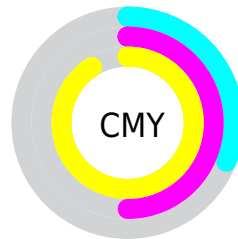


Cyan (0%)

Magenta (27%)

Yellow (86%)

Black (31%)



Cyan (31%)

Magenta (50%)


Yellow (91%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3587, 0.4708, 0.4509 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 24.3587, 0.4708, 0.4509 by changing the saturation by 10% instead.





 24.3587, 0.4708,  
0.4509


 24.3587, 0.4708,  
0.4509


 274.6290, 0.3903,  
0.3936


 15.5999, 0.4879,  
0.4604


 50.6149, 0.4429,  
0.4328


 9.2415, 0.5091,  
0.4707


 68.8811, 0.4318,  
0.4250

 4.8990, 0.5269,  
0.4731

 91.0853, 0.4223,  
0.4181

 2.1881, 0.5387,  
0.4613

 117.6118, 0.4141,  
0.4120

 0.7135, 0.5641,  
0.4359

 148.8450, 0.4070,  
0.4066

 0.0000, 0.0000,  
0.0000

 185.1693, 0.4007,

0.4018

226.9692, 0.3952,  
0.3975

24.3587, 0.4708,  
0.4509

24.3587, 0.4708,  
0.4509

22.9099, 0.4841,  
0.4507

25.9354, 0.4545,  
0.4462

22.3893, 0.4888,  
0.4501

27.6461, 0.4360,  
0.4370

29.4996, 0.4160,  
0.4242

31.5025, 0.3956,  
0.4087

33.6609, 0.3755,  
0.3917

■ 35.9802, 0.3564,  
0.3740

■ 38.4658, 0.3385,  
0.3564

■ 41.1224, 0.3222,  
0.3393

■ 43.9547, 0.3073,  
0.3230

# Harmonies

## Analogous

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



24.3587, 0.5080, 0.3814



24.3587, 0.4708, 0.4509



24.3587, 0.3947, 0.5064

# Triad

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



24.3587, 0.4708, 0.4509



24.3587, 0.1653, 0.3092



24.3587, 0.2955, 0.2084

# Complementary

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



24.3587, 0.4708, 0.4509



7.9355, 0.1742, 0.1325

# 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.



24.3587, 0.2132, 0.1862



24.3587, 0.4708, 0.4509



24.3587, 0.1487, 0.2289

# Square

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



24.3587, 0.4708, 0.4509



24.3587, 0.2189, 0.4224



24.3587, 0.1648, 0.1910



24.3587, 0.3991, 0.2536



# Rectangle

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



24.3587, 0.4708, 0.4509



24.3587, 0.3341, 0.5154



24.3587, 0.1648, 0.1910



24.3587, 0.2646, 0.1982

# Sweetspot

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



24.3599, 0.4708, 0.4509



64.3496, 0.3568, 0.3744



10.2703, 0.5199, 0.2773



13.9827, 0.3632, 0.3804



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



24.3599, 0.4708, 0.4509



39.6906, 0.4903, 0.4489



37.1944, 0.3905, 0.5180



8.8941, 0.3270, 0.3444



16.1486, 0.4878, 0.4509



0.5419, 0.4626, 0.4709



# Inverse Universe

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



7.9355, 0.1742, 0.1325



10.2007, 0.1616, 0.1019



4.4109, 0.1709, 0.0807



8.1575, 0.2986, 0.3131



4.3179, 0.1630, 0.1068



0.2201, 0.1807, 0.1704



# Previews

## White Background



This preview shows how the Yxy color 24.3587, 0.4708, 0.4509 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 24.3587, 0.4708, 0.4509 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 24.3587, 0.4708, 0.4509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.3587, 0.4708, 0.4509.



This preview shows how white text looks on a background with the Yxy color 24.3587, 0.4708, 0.4509.

# 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

24.3587, 0.4708, 0.4509

### Protanopia

24.4598, 0.4325, 0.4778

### Deuteranopia

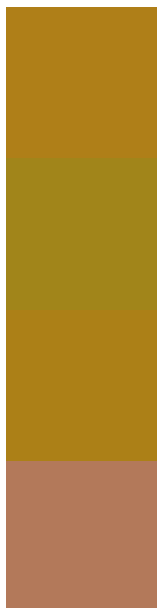
24.4203, 0.4641, 0.4570



## Tritanopia

24.3129, 0.3819, 0.3162

# Trichromacy



## Original Color

24.3587, 0.4708, 0.4509

## Protanomaly

24.4267, 0.4461, 0.4683

## Deuteranomaly

24.2709, 0.4666, 0.4550

## Tritanomaly

23.9966, 0.4252, 0.3741

# Monochromacy



## Original Color

24.3587, 0.4708, 0.4509

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

22.5668, 0.3770, 0.3940

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.3587, 0.4708, 0.4509 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(175, 127, 24)` looks like.

```
.text, #text, p{  
    color:rgb(175, 127, 24)  
}
```

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(175, 127, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 127, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 24.3587, 0.4708, 0.4509 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(175, 127, 24) }
```

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

```
.border{ border-color:rgb(175, 127, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 127, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 127, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 127, 24);  
box-shadow:4px 4px 4px 4px rgb(175, 127,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.3587, 0.4708, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 127, 24) }
```

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

```
.background{ background-color: rgb(175,  
127, 24) }
```

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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