

# Converting Colors

$Y_{xy}(25.9794, 0.4718, 0.4581)$

Have a look what the booklet for  
Yxy(25.9794, 0.4718, 0.4581)  
contains.

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**Color**

**Yxy(25.9966, 0.4708, 0.4587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2840D
RGB	178, 132, 13
RGB Percent	70%, 52%, 5%
CMY	0.3020, 0.4823, 0.9486
CMYK	0.00, 0.26, 0.93, 0.30
HSL	43°, 86%, 37%
HSV	43°, 93%, 70%
XYZ	26.6824, 25.9966, 3.9956
YIQ	132.1880, 65.6150, -27.2570

# Conversions

## Conversions Part 2

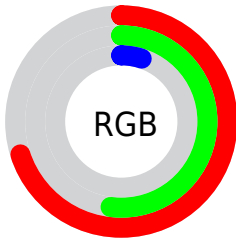
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 178, 13
Decimal	11699213
CIELab	58.03, 8.28, 61.18
CIElCh	58, 61.741, 82.294
Yxy	25.9966, 0.4708, 0.4587
Android (android.graphics.Color)	4289889293 (0xFFB2840D)
YUV	132.1880, -58.7597, 40.1771
Hunter-Lab	50.9869, 4.1853, 31.0446

# Details

The Yxy color **25.9966, 0.4708, 0.4587** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.4364, 0.1655, 0.1090**, and the grayscale version is **23.3492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3695, 0.4444, 0.4405**, and **10.1796, 0.4836, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **24.9947, 0.4787, 0.4581**, and if you desaturate by 10%, it is **27.4454, 0.4581, 0.4565**.

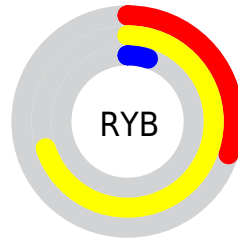
# Distribution



Red (70%)

Green (52%)

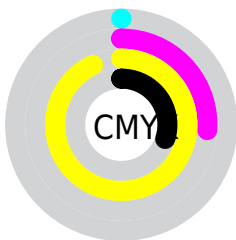
Blue (5%)



Red (30%)

Yellow (70%)

Blue (5%)

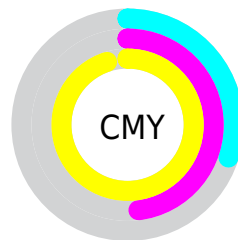


Cyan (0%)

Magenta (26%)

Yellow (93%)

Black (30%)



Cyan (30%)

Magenta (48%)


Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9966, 0.4708, 0.4587 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 25.9966, 0.4708, 0.4587 by changing the saturation by 10% instead.





 25.9966, 0.4708,  
0.4587


 25.9966, 0.4708,  
0.4587


282.7654, 0.3924,  
0.3987

 16.8211, 0.4864,  
0.4684


 53.2695, 0.4444,  
0.4400


 10.1070, 0.5060,  
0.4794


 72.1356, 0.4336,  
0.4319


 5.4700, 0.5193,  
0.4807

 95.0008, 0.4243,  
0.4246

 2.5256, 0.5284,  
0.4716

 122.2493, 0.4162,  
0.4182


 0.8894, 0.5448,  
0.4552


 154.2657, 0.4091,  
0.4124


 0.0000, 0.0000,  
0.0000


 191.4342, 0.4028,

0.4073

 234.1393, 0.3973,  
0.4028

 25.9966, 0.4708,  
0.4587


 25.9966, 0.4708,  
0.4587

 24.9947, 0.4787,  
0.4581

 27.4454, 0.4581,  
0.4565

 29.0096, 0.4426,  
0.4494

 30.6987, 0.4250,  
0.4382

 32.5199, 0.4060,  
0.4236

 34.4795, 0.3867,  
0.4066

■ 36.5831, 0.3676,  
0.3884

■ 38.8360, 0.3494,  
0.3698

■ 41.2431, 0.3323,  
0.3513

■ 43.8089, 0.3166,  
0.3335

# Harmonies

## Analogous

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



25.9966, 0.5142, 0.3868



25.9966, 0.4708, 0.4587



25.9966, 0.3898, 0.5155

# Triad

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



25.9966, 0.4708, 0.4587



25.9966, 0.1579, 0.3002



25.9966, 0.3019, 0.2072

# Complementary

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



25.9966, 0.4708, 0.4587



6.4364, 0.1655, 0.1090

# 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.



25.9966, 0.2146, 0.1825



25.9966, 0.4708, 0.4587



25.9966, 0.1438, 0.2208

# Square

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



25.9966, 0.4708, 0.4587



25.9966, 0.2098, 0.4180



25.9966, 0.1626, 0.1851



25.9966, 0.4100, 0.2549



# Rectangle

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



25.9966, 0.4708, 0.4587



25.9966, 0.3268, 0.5225



25.9966, 0.1626, 0.1851



25.9966, 0.2692, 0.1962

# Sweetspot

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



25.9979, 0.4708, 0.4587



68.0158, 0.3599, 0.3807



10.0783, 0.5587, 0.2915



14.6895, 0.3679, 0.3887



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



25.9979, 0.4708, 0.4587



44.9277, 0.4800, 0.4571



37.6388, 0.3827, 0.5298



9.4980, 0.3270, 0.3453



17.9969, 0.4779, 0.4587



0.6584, 0.4582, 0.4744



# Inverse Universe

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



6.4364, 0.1655, 0.1090



9.5760, 0.1591, 0.0926



4.1530, 0.1685, 0.0742



8.6032, 0.2985, 0.3121



4.0033, 0.1604, 0.0972

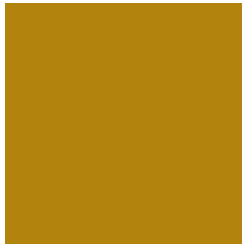


0.2267, 0.1764, 0.1549



# Previews

## White Background



This preview shows how the Yxy color 25.9966, 0.4708, 0.4587 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 25.9966, 0.4708, 0.4587 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 25.9966, 0.4708, 0.4587**

## Background



This preview shows how black text looks on a background with the Yxy color 25.9966, 0.4708, 0.4587.



This preview shows how white text looks on a background with the Yxy color 25.9966, 0.4708, 0.4587.

# 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

25.9966, 0.4708, 0.4587

### Protanopia

26.0627, 0.4372, 0.4834

### Deuteranopia

26.1487, 0.4686, 0.4609



## Tritanopia

26.0222, 0.3771, 0.3164

# Trichromacy



## Original Color

25.9966, 0.4708, 0.4587

## Protanomaly

25.9251, 0.4493, 0.4745

## Deuteranomaly

26.1487, 0.4686, 0.4609

## Tritanomaly

25.5881, 0.4260, 0.3817

# Monochromacy



## Original Color

25.9966, 0.4708, 0.4587

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

23.6134, 0.3812, 0.4010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.9966, 0.4708, 0.4587 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(178, 132, 13)` looks like.

```
.text, #text, p{  
    color:rgb(178, 132, 13)  
}
```

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(178, 132, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 132, 13) }
```

## Border

The CSS property to change the border of an element to Yxy 25.9966, 0.4708, 0.4587 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(178, 132, 13) }
```

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

```
.border{ border-color:rgb(178, 132, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 132, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 132, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 132, 13);  
box-shadow:4px 4px 4px 4px rgb(178, 132,  
13) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.9966, 0.4708, 0.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 132, 13) }
```

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

```
.background{ background-color: rgb(178,  
132, 13) }
```

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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