

# Converting Colors

$Y_{xy}(25.4038, 0.5188, 0.4177)$

Have a look what the booklet for  
Yxy(25.4038, 0.5188, 0.4177)  
contains.

<b>Yxy(25.2876, 0.5190, 0.4176)</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**

**$Yxy(25.2876, 0.5190, 0.4176)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD7313
RGB	205, 115, 19
RGB Percent	80%, 45%, 7%
CMY	0.1960, 0.5490, 0.9256
CMYK	0.00, 0.44, 0.91, 0.20
HSL	31°, 83%, 44%
HSV	31°, 91%, 80%
XYZ	31.4278, 25.2876, 3.8392
YIQ	130.9660, 84.4560, -10.7760

# Conversions

## Conversions Part 2

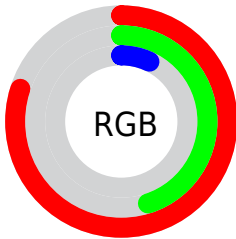
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 205, 19
Decimal	13464339
CIE Lab	57.35, 29.57, 60.89
CIE LCh	57, 67.689, 64.100
Yxy	25.2876, 0.5190, 0.4176
Android (android.graphics.Color)	4291654419 (0xFFCD7313)
YUV	130.9660, -55.1992, 64.9278
Hunter-Lab	50.2868, 23.5557, 30.6742

# Details

The Yxy color **25.2876, 0.5190, 0.4176** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.4812, 0.1819, 0.1681**, and the grayscale version is **22.8621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7871, 0.4720, 0.4156**, and **9.8257, 0.5498, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **23.2518, 0.5370, 0.4118**, and if you desaturate by 10%, it is **27.7770, 0.4963, 0.4193**.

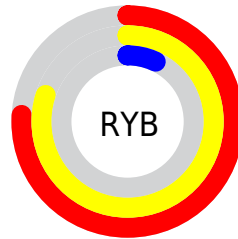
# Distribution



Red (80%)

Green (45%)

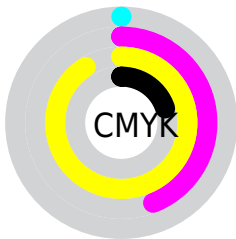
Blue (7%)



Red (76%)

Yellow (80%)

Blue (7%)

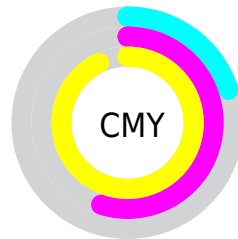


Cyan (0%)

Magenta (44%)

Yellow (91%)

Black (20%)



Cyan (20%)

Magenta (55%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2876, 0.5190, 0.4176 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 25.2876, 0.5190, 0.4176 by changing the saturation by 10% instead.





 25.2876, 0.5190,  
0.4176


 25.2876, 0.5190,  
0.4176


279.2672, 0.4136,  
0.3847


 16.2915, 0.5418,  
0.4187


 52.1234, 0.4824,  
0.4103


 9.7306, 0.5713,  
0.4182

 70.7319, 0.4679,  
0.4060

 5.2207, 0.5962,  
0.4038

 93.3132, 0.4555,  
0.4018

 2.3773, 0.6249,  
0.3751

 120.2519, 0.4447,  
0.3978

 0.8142, 0.6735,  
0.3265

 151.9322, 0.4354,  
0.3941


 0.0000, 1.0000,  
0.0000

 188.7386, 0.4272,

 0.0000, 0.0000,


0.3907

0.0000

 231.0555, 0.4200,  
0.3875

 25.2876, 0.5190,  
0.4176


 25.2876, 0.5190,  
0.4176


 23.2518, 0.5370,  
0.4118

 27.7770, 0.4963,  
0.4193

 30.5895, 0.4708,  
0.4158

 33.7437, 0.4440,  
0.4078

 37.2551, 0.4175,  
0.3968

 41.1378, 0.3924,  
0.3839

■ 45.4049, 0.3693,  
0.3702

■ 50.0686, 0.3485,  
0.3563

■ 55.1405, 0.3301,  
0.3428

■ 60.6318, 0.3138,  
0.3299

# Harmonies

## Analogous

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



25.2876, 0.5303, 0.3420



25.2876, 0.5190, 0.4176



25.2876, 0.4497, 0.4956

# Triad

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



25.2876, 0.5190, 0.4176



25.2876, 0.1725, 0.3730



25.2876, 0.2381, 0.1783

# Complementary

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



25.2876, 0.5190, 0.4176



15.4812, 0.1819, 0.1681

# 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.



25.2876, 0.1679, 0.1688



25.2876, 0.5190, 0.4176



25.2876, 0.1350, 0.2550

# Square

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



25.2876, 0.5190, 0.4176



25.2876, 0.2514, 0.5025



25.2876, 0.1349, 0.1905



25.2876, 0.3462, 0.2147



# Rectangle

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



25.2876, 0.5190, 0.4176



25.2876, 0.3867, 0.5353



25.2876, 0.1349, 0.1905



25.2876, 0.2102, 0.1720

# Sweetspot

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



25.2889, 0.5190, 0.4176



76.8881, 0.3619, 0.3654



14.6155, 0.4754, 0.2452



15.9081, 0.3694, 0.3702



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.



25.2889, 0.5190, 0.4176



37.6594, 0.5388, 0.4104



56.6972, 0.4175, 0.5022



12.1554, 0.3277, 0.3410



14.6643, 0.5348, 0.4135



0.9081, 0.5063, 0.4362



# Inverse Universe

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



15.4812, 0.1819, 0.1681



21.4806, 0.1748, 0.1491



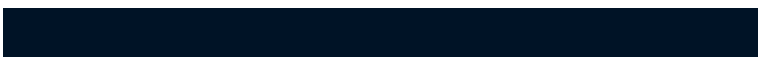
5.0114, 0.1543, 0.0671



11.7249, 0.2983, 0.3167



8.5103, 0.1761, 0.1538



0.5908, 0.1862, 0.1901



# Previews

## White Background



This preview shows how the Yxy color 25.2876, 0.5190, 0.4176 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 25.2876, 0.5190, 0.4176 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 25.2876, 0.5190, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.2876, 0.5190, 0.4176.



This preview shows how white text looks on a background with the Yxy color 25.2876, 0.5190, 0.4176.

# 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

25.2876, 0.5190, 0.4176

### Protanopia

25.6077, 0.4328, 0.4792

### Deuteranopia

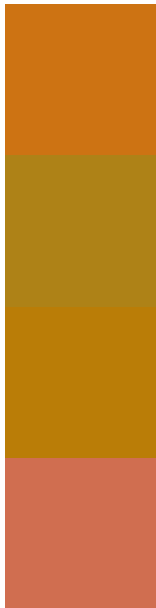
25.3466, 0.4718, 0.4636



## Tritanopia

25.3085, 0.4373, 0.3194

# Trichromacy



**Original Color**

25.2876, 0.5190, 0.4176

**Protanomaly**

25.0258, 0.4661, 0.4558

**Deuteranomaly**

25.1217, 0.4903, 0.4459

**Tritanomaly**

25.1409, 0.4796, 0.3650

# Monochromacy



**Original Color**

25.2876, 0.5190, 0.4176

**Achromatopsia**

22.6966, 0.3127, 0.3290

**Achromatomaly**

22.6745, 0.3961, 0.3858

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.2876, 0.5190, 0.4176 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(205, 115, 19)` looks like.

```
.text, #text, p{  
    color:rgb(205, 115, 19)  
}
```

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(205, 115, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 115, 19) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2876, 0.5190, 0.4176 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(205, 115, 19) }
```

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

```
.border{ border-color:rgb(205, 115, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 115, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 115, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 115, 19);  
box-shadow:4px 4px 4px 4px rgb(205, 115,  
19) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2876, 0.5190, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 115, 19) }
```

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

```
.background{ background-color: rgb(205,  
115, 19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor