

# Converting Colors

$Yxy(23.7413, 0.5478, 0.3913)$

Have a look what the booklet for  
Yxy(23.7413, 0.5478, 0.3913)  
contains.

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# Color

**Yxy(23.7413, 0.5478, 0.3913)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D96318
RGB	217, 99, 24
RGB Percent	85%, 39%, 9%
CMY	0.1491, 0.6117, 0.9059
CMYK	0.00, 0.54, 0.89, 0.15
HSL	23°, 80%, 47%
HSV	23°, 89%, 85%
XYZ	33.2366, 23.7413, 3.6950
YIQ	125.7320, 94.4030, 1.6910

# Conversions

## Conversions Part 2

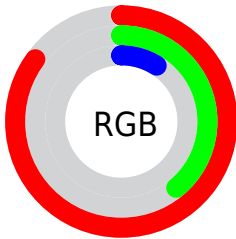
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">217, 147, 24</a>
Decimal	<a href="#">14246680</a>
CIELab	<a href="#">55.83, 42.66, 59.09</a>
CIElCh	<a href="#">56, 72.878, 54.175</a>
Yxy	<a href="#">23.7413, 0.5478, 0.3913</a>
Android (android.graphics.Color)	<a href="#">4292436760</a> (0xFFD96318)
YUV	<a href="#">125.7320, -50.1539, 80.0420</a>
Hunter-Lab	<a href="#">48.7250, 36.4906, 29.6114</a>

# Details

The Yxy color **23.7413, 0.5478, 0.3913** 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 **24.5345, 0.1941, 0.2110**, and the grayscale version is **20.9205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2523, 0.4857, 0.3994**, and **9.0016, 0.5931, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **21.3710, 0.5721, 0.3829**, and if you desaturate by 10%, it is **26.5950, 0.5184, 0.3948**.

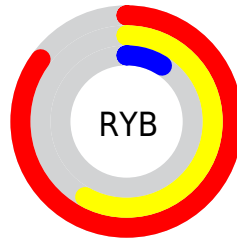
# Distribution



Red (85%)

Green (39%)

Blue (9%)



Red (85%)

Yellow (58%)

Blue (9%)

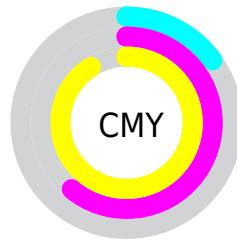


Cyan (0%)

Magenta (54%)

Yellow (89%)

Black (15%)



Cyan (15%)

Magenta (61%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7413, 0.5478, 0.3913 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 23.7413, 0.5478, 0.3913 by changing the saturation by 10% instead.




 23.7413, 0.5478,  
0.3913


 23.7413, 0.5478,  
0.3913


271.5100, 0.4255,  
0.3747


 15.1418, 0.5751,  
0.3876


 49.6077, 0.5047,  
0.3906

 8.9190, 0.6113,  
0.3807


 67.6434, 0.4878,  
0.3886

 4.6884, 0.6425,  
0.3575


 89.5934, 0.4735,  
0.3862

 2.0656, 0.6817,  
0.3183

 115.8419, 0.4611,  
0.3838

 0.6452, 0.7508,  
0.2492

 146.7734, 0.4504,  
0.3814

 0.0000, 1.0000,  
0.0000

 182.7724, 0.4410,

 0.0000, 0.0000,

0.3790

0.0000

224.2231, 0.4328,  
0.3768

23.7413, 0.5478,  
0.3913

23.7413, 0.5478,  
0.3913

21.3710, 0.5721,  
0.3829

26.5950, 0.5184,  
0.3948

21.1438, 0.5746,  
0.3820

29.9650, 0.4860,  
0.3932

33.8819, 0.4532,  
0.3875

38.3718, 0.4219,  
0.3791

43.4593, 0.3934,  
0.3691

■ 49.1669, 0.3682,  
0.3585

■ 55.5162, 0.3462,  
0.3479

■ 62.5274, 0.3273,  
0.3376

■ 70.2198, 0.3111,  
0.3280

# Harmonies

## Analogous

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



23.7413, 0.5358, 0.3145



23.7413, 0.5478, 0.3913



23.7413, 0.4863, 0.4767

# Triad

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



23.7413, 0.5478, 0.3913



23.7413, 0.1831, 0.4288



23.7413, 0.2019, 0.1612

# Complementary

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



23.7413, 0.5478, 0.3913



24.5345, 0.1941, 0.2110

# 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.



23.7413, 0.1420, 0.1607



23.7413, 0.5478, 0.3913



23.7413, 0.1300, 0.2824

# Square

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



23.7413, 0.5478, 0.3913



23.7413, 0.2781, 0.5524



23.7413, 0.1190, 0.1954



23.7413, 0.3057, 0.1904



# Rectangle

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



23.7413, 0.5478, 0.3913



23.7413, 0.4227, 0.5315



23.7413, 0.1190, 0.1954



23.7413, 0.1773, 0.1577

# Sweetspot

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



23.7426, 0.5478, 0.3913



72.3585, 0.3643, 0.3567



17.3846, 0.4299, 0.2205



14.8474, 0.3724, 0.3604



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.



23.7426, 0.5478, 0.3913



30.2099, 0.5761, 0.3807



53.6032, 0.4361, 0.4853



13.8776, 0.3282, 0.3381



12.9936, 0.5720, 0.3840



1.0061, 0.5418, 0.4080



# Inverse Universe

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



24.5345, 0.1941, 0.2110



30.9505, 0.1871, 0.1936



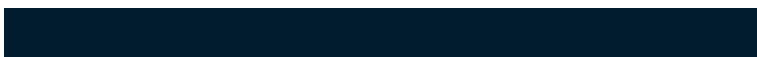
7.1973, 0.1590, 0.0824



13.9353, 0.2982, 0.3197



13.3378, 0.1881, 0.1970



1.0296, 0.1947, 0.2208



# Previews

## White Background



This preview shows how the Yxy color 23.7413, 0.5478, 0.3913 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 23.7413, 0.5478, 0.3913 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 23.7413, 0.5478, 0.3913**

## Background



This preview shows how black text looks on a background with the Yxy color 23.7413, 0.5478, 0.3913.



This preview shows how white text looks on a background with the Yxy color 23.7413, 0.5478, 0.3913.

# 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

23.7413, 0.5478, 0.3913

### Protanopia

24.0171, 0.4285, 0.4742

### Deuteranopia

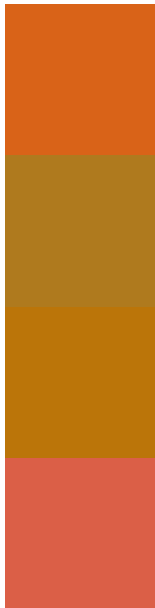
23.7248, 0.4720, 0.4634



## Tritanopia

23.7518, 0.4832, 0.3229

# Trichromacy



**Original Color**

23.7413, 0.5478, 0.3913

**Protanomaly**

23.1268, 0.4748, 0.4415

**Deuteranomaly**

23.3071, 0.5024, 0.4352

**Tritanomaly**

23.6994, 0.5151, 0.3544

# Monochromacy



**Original Color**

23.7413, 0.5478, 0.3913

**Achromatopsia**

20.8637, 0.3127, 0.3290

**Achromatomaly**

20.5830, 0.4050, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.7413, 0.5478, 0.3913 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(217, 99, 24)` looks like.

```
.text, #text, p{  
    color:rgb(217, 99, 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(217, 99, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 99, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 23.7413, 0.5478, 0.3913 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(217, 99, 24) }
```

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

```
.border{ border-color:rgb(217, 99, 24) }
```

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

Here you see how a box with a 4 pixel rgb(217, 99, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 99, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 99, 24);  
box-shadow:4px 4px 4px 4px rgb(217, 99,  
24) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 23.7413, 0.5478, 0.3913$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 99, 24) }
```

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

```
.background{ background-color: rgb(217, 99,  
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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