

# Converting Colors

$Yxy(24.5632, 0.5662, 0.3886)$

Have a look what the booklet for  
Yxy(24.5632, 0.5662, 0.3886)  
contains.

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**Color**

**Yxy(24.5153, 0.5666, 0.3883)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E35F00
RGB	227, 95, 0
RGB Percent	89%, 37%, 0%
CMY	0.1098, 0.6274, 0.9999
CMYK	0.00, 0.58, 1.00, 0.11
HSL	25°, 100%, 45%
HSV	25°, 100%, 89%
XYZ	35.7723, 24.5153, 2.8474
YIQ	123.6380, 109.1670, -1.5610

# Conversions

## Conversions Part 2

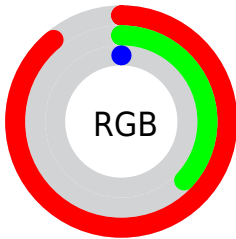
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 163, 0
Decimal	14900992
CIE <sub>Lab</sub>	56.60, 48.07, 65.81
CIE <sub>LCh</sub>	57, 81.494, 53.855
Yxy	24.5153, 0.5666, 0.3883
Android (android.graphics.Color)	4293091072 (0xFFE35F00)
YUV	123.6380, -60.9535, 90.6485
Hunter-Lab	49.5129, 42.3156, 31.2494

# Details

The Yxy color **24.5153, 0.5666, 0.3883** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **22.0594, 0.1844, 0.1839**, and the grayscale version is **20.2107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1365, 0.4966, 0.4046**, and **9.3724, 0.6058, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **24.5129, 0.5666, 0.3883**, and if you desaturate by 10%, it is **27.1609, 0.5437, 0.3968**.

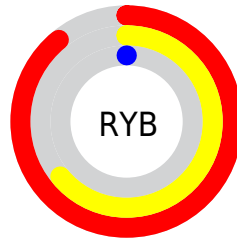
# Distribution



Red (89%)

Green (37%)

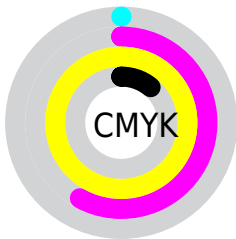
Blue (0%)



Red (89%)

Yellow (64%)

Blue (0%)

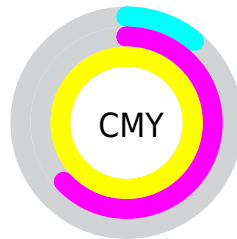


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (63%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5153, 0.5666, 0.3883 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 24.5153, 0.5666, 0.3883 by changing the saturation by 10% instead.





 24.5153, 0.5666,  
0.3883


 24.5153, 0.5666,  
0.3883


275.4154, 0.4380,  
0.3777


 15.7163, 0.5935,  
0.3818


 50.8698, 0.5226,  
0.3909


 9.3236, 0.6286,  
0.3714


 69.1941, 0.5050,  
0.3899


 4.9529, 0.6563,  
0.3437

 91.4623, 0.4898,  
0.3882

 2.2196, 0.6967,  
0.3033

 118.0588, 0.4765,  
0.3861

 0.7307, 0.7621,  
0.2379

 149.3679, 0.4650,  
0.3840


 0.0000, 1.0000,  
0.0000


 185.7741, 0.4549,


 0.0000, 0.0000,


0.3818


0.0000

 227.6618, 0.4460,  
0.3797


 24.5153, 0.5666,  
0.3883


 24.5153, 0.5666,  
0.3883


 24.5129, 0.5666,  
0.3883

 27.1609, 0.5437,  
0.3968

 30.2985, 0.5161,  
0.4004

 33.9700, 0.4853,  
0.3988

 38.2051, 0.4538,  
0.3929

 43.0308, 0.4233,  
0.3840

■ 48.4719, 0.3953,  
0.3734

■ 54.5514, 0.3702,  
0.3620

■ 61.2911, 0.3482,  
0.3505

■ 68.7115, 0.3291,  
0.3394

# Harmonies

## Analogous

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



24.5153, 0.5569, 0.3087



24.5153, 0.5666, 0.3883



24.5153, 0.4963, 0.4808

# Triad

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



24.5153, 0.5666, 0.3883



24.5153, 0.1709, 0.4418



24.5153, 0.1914, 0.1491

# Complementary

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



24.5153, 0.5666, 0.3883



22.0594, 0.1844, 0.1839

# 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.



24.5153, 0.1295, 0.1484



24.5153, 0.5666, 0.3883



24.5153, 0.1162, 0.2766

# Square

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



24.5153, 0.5666, 0.3883



24.5153, 0.2717, 0.5805



24.5153, 0.1059, 0.1837



24.5153, 0.3024, 0.1795



# Rectangle

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



24.5153, 0.5666, 0.3883



24.5153, 0.4263, 0.5442



24.5153, 0.1059, 0.1837



24.5153, 0.1658, 0.1455

# Sweetspot

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



24.5167, 0.5666, 0.3883



70.8392, 0.3707, 0.3622



18.0103, 0.4632, 0.2325



14.4232, 0.3810, 0.3671



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.



24.5167, 0.5666, 0.3883



31.7120, 0.5677, 0.3874



61.4879, 0.4349, 0.4929



15.3539, 0.3282, 0.3389



14.5140, 0.5640, 0.3904



1.2527, 0.5380, 0.4110

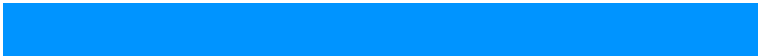


# Inverse Universe

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



22.0594, 0.1844, 0.1839



28.4955, 0.1842, 0.1829



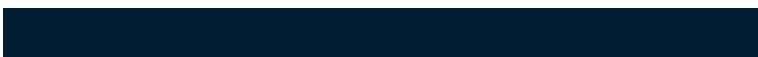
6.0106, 0.1513, 0.0645



15.2727, 0.2981, 0.3189



13.0975, 0.1851, 0.1862



1.1505, 0.1914, 0.2091



# Previews

## White Background



This preview shows how the Yxy color 24.5153, 0.5666, 0.3883 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 24.5153, 0.5666, 0.3883 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 24.5153, 0.5666, 0.3883**

## Background



This preview shows how black text looks on a background with the Yxy color 24.5153, 0.5666, 0.3883.



This preview shows how white text looks on a background with the Yxy color 24.5153, 0.5666, 0.3883.

# 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

24.5153, 0.5666, 0.3883

### Protanopia

24.8193, 0.4344, 0.4810

### Deuteranopia

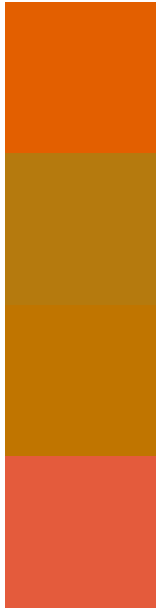
24.4712, 0.4714, 0.4639



## Tritanopia

24.4456, 0.5004, 0.3234

# Trichromacy



**Original Color**

24.5153, 0.5666, 0.3883

**Protanomaly**

23.7745, 0.4878, 0.4444

**Deuteranomaly**

23.9290, 0.5094, 0.4338

**Tritanomaly**

24.3024, 0.5384, 0.3579

# Monochromacy



**Original Color**

24.5153, 0.5666, 0.3883

**Achromatopsia**

20.1556, 0.3127, 0.3290

**Achromatomaly**

19.9518, 0.4229, 0.3833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.5153, 0.5666, 0.3883 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(227, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 95, 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(227, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 95, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5153, 0.5666, 0.3883 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(227, 95, 0) }
```

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

```
.border{ border-color:rgb(227, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 95, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 24.5153, 0.5666, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 95, 0) }
```

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

```
.background{ background-color: rgb(227, 95,  
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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