

Converting Colors

$Yxy(25.6333, 0.5694, 0.3962)$

Have a look what the booklet for
Yxy(25.6333, 0.5694, 0.3962)
contains.

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Color

Yxy(25.7467, 0.5633, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	E66300
RGB	230, 99, 0
RGB Percent	90%, 39%, 0%
CMY	0.0981, 0.6117, 1.0000
CMYK	0.00, 0.57, 1.00, 0.10
HSL	26°, 100%, 45%
HSV	26°, 100%, 90%
XYZ	37.0924, 25.7467, 3.0093
YIQ	126.8830, 109.8550, -3.0170

Conversions

Conversions Part 2

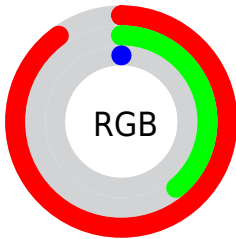
Format	Color
R_{YB}	230, 174, 0
Decimal	15098624
CIE _{Lab}	57.80, 47.30, 66.77
CIE _{LCh}	58, 81.823, 54.684
Yxy	25.7467, 0.5633, 0.3910
Android (android.graphics.Color)	4293288704 (0xFFE66300)
YUV	126.8830, -62.5533, 90.4336
Hunter-Lab	50.7412, 41.6883, 32.0026

Details

The Yxy color **25.7467, 0.5633, 0.3910** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **21.9384, 0.1832, 0.1795**, and the grayscale version is **21.3742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4358, 0.4921, 0.4078**, and **9.9838, 0.6017, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **25.7486, 0.5632, 0.3910**, and if you desaturate by 10%, it is **28.4971, 0.5408, 0.3993**.

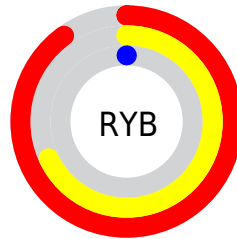
Distribution



Red (90%)

Green (39%)

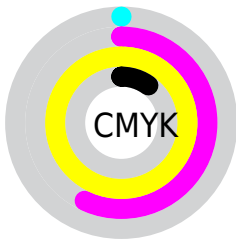
Blue (0%)



Red (90%)

Yellow (68%)

Blue (0%)

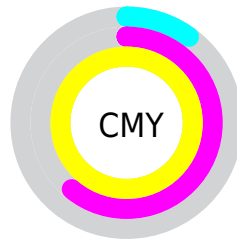


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7467, 0.5633, 0.3910 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 25.7467, 0.5633, 0.3910 by changing the saturation by 10% instead.


 25.7467, 0.5633,
0.3910


 25.7467, 0.5633,
0.3910


281.5364, 0.4375,
0.3789


 16.6342, 0.5894,
0.3852


 52.8660, 0.5205,
0.3929

 9.9741, 0.6239,
0.3761


 71.6417, 0.5033,
0.3917

 5.3818, 0.6502,
0.3498

 94.4072, 0.4883,
0.3898

 2.4730, 0.6884,
0.3116

 121.5470, 0.4754,
0.3877

 0.8630, 0.7478,
0.2522

 153.4454, 0.4640,
0.3854

 0.0000, 1.0000,
0.0000

 190.4868, 0.4541,

 0.0000, 0.0000,


0.3832

0.0000

 233.0557, 0.4453,
0.3810


 25.7467, 0.5633,
0.3910

 25.7467, 0.5633,
0.3910


 25.7486, 0.5632,
0.3910

 28.4971, 0.5408,
0.3993

 31.7398, 0.5137,
0.4028

 35.5172, 0.4836,
0.4010

 39.8587, 0.4526,
0.3948

 44.7912, 0.4226,
0.3856

■ 50.3390, 0.3949,
0.3747

■ 56.5252, 0.3700,
0.3629

■ 63.3712, 0.3481,
0.3512

■ 70.8974, 0.3291,
0.3398

Harmonies

Analogous

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



25.7467, 0.5559, 0.3114



25.7467, 0.5633, 0.3910



25.7467, 0.4926, 0.4829

Triad

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



25.7467, 0.5633, 0.3910



25.7467, 0.1703, 0.4354



25.7467, 0.1950, 0.1510

Complementary

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



25.7467, 0.5633, 0.3910



21.9384, 0.1832, 0.1795

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.



25.7467, 0.1322, 0.1495



25.7467, 0.5633, 0.3910



25.7467, 0.1171, 0.2739

Square

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



25.7467, 0.5633, 0.3910



25.7467, 0.2696, 0.5751



25.7467, 0.1077, 0.1836



25.7467, 0.3064, 0.1820

Rectangle

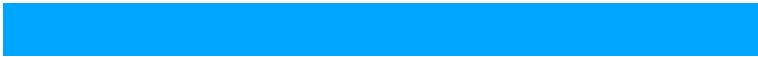
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.7467, 0.5633, 0.3910



25.7467, 0.4231, 0.5449



25.7467, 0.1077, 0.1836



25.7467, 0.1690, 0.1471

Sweetspot

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



25.7486, 0.5632, 0.3910



71.2995, 0.3704, 0.3631



18.5474, 0.4633, 0.2326



14.5313, 0.3806, 0.3682



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.



25.7486, 0.5632, 0.3910



32.3653, 0.5642, 0.3902



63.3236, 0.4349, 0.4929



15.3833, 0.3282, 0.3392



14.8109, 0.5605, 0.3931



1.2760, 0.5350, 0.4134

Inverse Universe

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



21.9384, 0.1832, 0.1795



27.5369, 0.1830, 0.1786



6.1841, 0.1512, 0.0644



15.2428, 0.2981, 0.3186



12.6688, 0.1839, 0.1820



1.1199, 0.1904, 0.2054

Previews

White Background



This preview shows how the Yxy color 25.7467, 0.5633, 0.3910 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 25.7467, 0.5633, 0.3910 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 25.7467, 0.5633, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 25.7467, 0.5633, 0.3910.



This preview shows how white text looks on a background with the Yxy color 25.7467, 0.5633, 0.3910.

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

25.7467, 0.5633, 0.3910

Protanopia

25.9822, 0.4343, 0.4816

Deuteranopia

25.7326, 0.4715, 0.4638



Tritanopia

25.6919, 0.4948, 0.3234

Trichromacy



Original Color

25.7467, 0.5633, 0.3910

Protanomaly

24.8893, 0.4866, 0.4456

Deuteranomaly

25.1687, 0.5087, 0.4343

Tritanomaly

25.5211, 0.5346, 0.3598

Monochromacy



Original Color

25.7467, 0.5633, 0.3910

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2092, 0.4208, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7467, 0.5633, 0.3910 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(230, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 99, 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(230, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.7467, 0.5633, 0.3910 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(230, 99, 0) }
```

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

```
.border{ border-color:rgb(230, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.7467, 0.5633, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 99, 0) }
```

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

```
.background{ background-color: rgb(230, 99,  
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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