

Converting Colors

$Y_{xy}(26.1004, 0.5595, 0.3940)$

Have a look what the booklet for
Yxy(26.1004, 0.5595, 0.3940)
contains.

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Color

Yxy(26.1608, 0.5589, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	E56600
RGB	229, 102, 0
RGB Percent	90%, 40%, 0%
CMY	0.1020, 0.5999, 1.0000
CMYK	0.00, 0.55, 1.00, 0.10
HSL	27°, 100%, 45%
HSV	27°, 100%, 90%
XYZ	37.0628, 26.1608, 3.0902
YIQ	128.3450, 108.4340, -4.7980

Conversions

Conversions Part 2

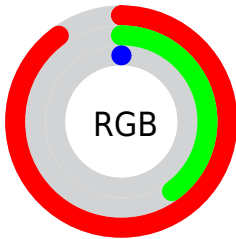
Format	Color
R _Y B	229, 184, 0
Decimal	15033856
CIE Lab	58.19, 45.51, 66.91
CIE LCh	58, 80.916, 55.778
Yxy	26.1608, 0.5589, 0.3945
Android (android.graphics.Color)	4293223936 (0xFFE56600)
YUV	128.3450, -63.2741, 88.2744
Hunter-Lab	51.1476, 39.8370, 32.2212

Details

The Yxy color **26.1608, 0.5589, 0.3945** 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 **20.8311, 0.1817, 0.1742**, and the grayscale version is **21.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4303, 0.4892, 0.4107**, and **10.3036, 0.5960, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **26.1627, 0.5588, 0.3945**, and if you desaturate by 10%, it is **28.9146, 0.5369, 0.4025**.

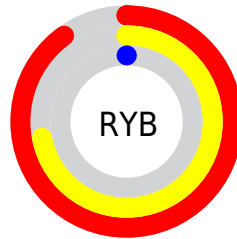
Distribution



Red (90%)

Green (40%)

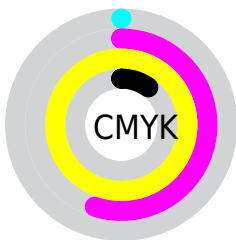
Blue (0%)



Red (90%)

Yellow (72%)

Blue (0%)

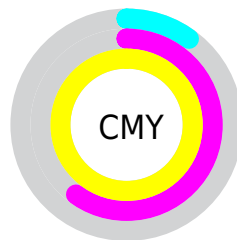


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1608, 0.5589, 0.3945 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 26.1608, 0.5589, 0.3945 by changing the saturation by 10% instead.


 26.1608, 0.5589,
0.3945


 26.1608, 0.5589,
0.3945


283.5705, 0.4356,
0.3801

 16.9440, 0.5844,
0.3894


 53.5342, 0.5170,
0.3955


 10.1946, 0.6185,
0.3815


 72.4596, 0.5001,
0.3939


 5.5281, 0.6438,
0.3562

 95.3900, 0.4855,
0.3918

 2.5603, 0.6806,
0.3194

 122.7098, 0.4728,
0.3894

 0.9068, 0.7380,
0.2620

 154.8033, 0.4617,
0.3870


 0.0000, 1.0000,
0.0000


 192.0551, 0.4519,


 0.0000, 0.0000,


0.3846

0.0000


 234.8493, 0.4432,
0.3823


 26.1608, 0.5589,
0.3945

 26.1608, 0.5589,
0.3945


 26.1627, 0.5588,
0.3945

 28.9146, 0.5369,
0.4025

 32.1378, 0.5105,
0.4057

 35.8711, 0.4811,
0.4035

 40.1422, 0.4509,
0.3970

 44.9763, 0.4215,
0.3875

■ 50.3965, 0.3942,
0.3762

■ 56.4243, 0.3697,
0.3641

■ 63.0799, 0.3480,
0.3519

■ 70.3826, 0.3291,
0.3401

Harmonies

Analogous

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



26.1608, 0.5543, 0.3150



26.1608, 0.5589, 0.3945



26.1608, 0.4878, 0.4856

Triad

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



26.1608, 0.5589, 0.3945



26.1608, 0.1697, 0.4272



26.1608, 0.1997, 0.1536

Complementary

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



26.1608, 0.5589, 0.3945



20.8311, 0.1817, 0.1742

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.



26.1608, 0.1357, 0.1510



26.1608, 0.5589, 0.3945



26.1608, 0.1184, 0.2706

Square

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



26.1608, 0.5589, 0.3945



26.1608, 0.2669, 0.5678



26.1608, 0.1101, 0.1836



26.1608, 0.3116, 0.1854

Rectangle

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



26.1608, 0.5589, 0.3945



26.1608, 0.4188, 0.5456



26.1608, 0.1101, 0.1836



26.1608, 0.1734, 0.1494

Sweetspot

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



26.1627, 0.5588, 0.3945



71.8716, 0.3701, 0.3643



18.2627, 0.4703, 0.2365



14.6657, 0.3802, 0.3695



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.



26.1627, 0.5588, 0.3945



33.2041, 0.5598, 0.3937



64.6136, 0.4316, 0.4955



15.4196, 0.3281, 0.3395



15.1913, 0.5562, 0.3965



1.3055, 0.5313, 0.4163

Inverse Universe

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



20.8311, 0.1817, 0.1742



26.3886, 0.1815, 0.1733



6.0061, 0.1509, 0.0633



15.2058, 0.2981, 0.3183



12.1546, 0.1824, 0.1767



1.0829, 0.1892, 0.2009

Previews

White Background



This preview shows how the Yxy color 26.1608, 0.5589, 0.3945 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 26.1608, 0.5589, 0.3945 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 26.1608, 0.5589, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 26.1608, 0.5589, 0.3945.



This preview shows how white text looks on a background with the Yxy color 26.1608, 0.5589, 0.3945.

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

26.1608, 0.5589, 0.3945

Protanopia

26.3730, 0.4345, 0.4823

Deuteranopia

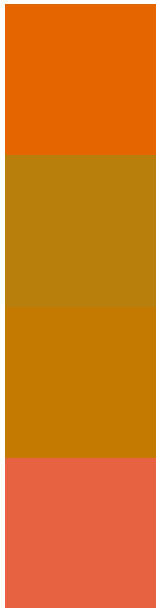
26.1222, 0.4712, 0.4641



Tritanopia

26.2798, 0.4886, 0.3233

Trichromacy



Original Color

26.1608, 0.5589, 0.3945

Protanomaly

25.3981, 0.4841, 0.4482

Deuteranomaly

25.6548, 0.5058, 0.4366

Tritanomaly

26.0945, 0.5297, 0.3613

Monochromacy



Original Color

26.1608, 0.5589, 0.3945

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.7871, 0.4204, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1608, 0.5589, 0.3945 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(229, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 102, 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(229, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.1608, 0.5589, 0.3945 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(229, 102, 0) }
```

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

```
.border{ border-color:rgb(229, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1608, 0.5589, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 102, 0) }
```

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

```
.background{ background-color: rgb(229,  
102, 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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