

# Converting Colors

$Y_{xy}(28.0959, 0.4967, 0.3626)$

Have a look what the booklet for  
Yxy(28.0959, 0.4967, 0.3626)  
contains.

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**Color**

**Yxy(28.1168, 0.4961, 0.3623)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E26F50
RGB	226, 111, 80
RGB Percent	89%, 44%, 31%
CMY	0.1137, 0.5647, 0.6862
CMYK	0.00, 0.51, 0.65, 0.11
HSL	13°, 72%, 60%
HSV	13°, 65%, 89%
XYZ	38.5005, 28.1168, 10.9891
YIQ	141.8510, 78.4910, 14.7390

# Conversions

## Conversions Part 2

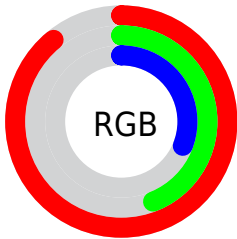
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 119, 80
Decimal	14839632
CIE <sub>Lab</sub>	59.99, 42.39, 37.91
CIE <sub>LCh</sub>	60, 56.868, 41.803
Yxy	28.1168, 0.4961, 0.3623
Android (android.graphics.Color)	4293029712 (0xFFE26F50)
YUV	141.8510, -30.4925, 73.7987
Hunter-Lab	53.0253, 36.8109, 24.8303

# Details

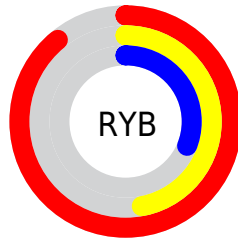
The Yxy color **28.1168, 0.4961, 0.3623** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **46.2423, 0.2260, 0.2859**, and the grayscale version is **27.0883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7820, 0.4314, 0.3657**, and **11.2428, 0.5535, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **24.3328, 0.5372, 0.3626**, and if you desaturate by 10%, it is **32.7906, 0.4560, 0.3592**.

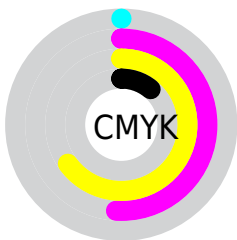
# Distribution



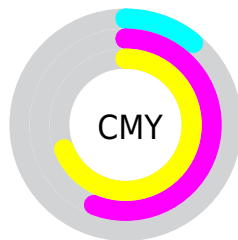
- Red (89%)
- Green (44%)
- Blue (31%)



- Red (89%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (51%)
- Yellow (65%)
- Black (11%)




- Cyan (11%)
- Magenta (56%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1168, 0.4961, 0.3623 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 28.1168, 0.4961, 0.3623 by changing the saturation by 10% instead.





 28.1168, 0.4961,  
0.3623


 28.1168, 0.4961,  
0.3623


293.0246, 0.3977,  
0.3520


 18.4137, 0.5215,  
0.3617


 56.6709, 0.4594,  
0.3607

 11.2474, 0.5539,  
0.3586


 76.2906, 0.4458,  
0.3594


 6.2335, 0.5955,  
0.3503

 99.9848, 0.4344,  
0.3580

 2.9876, 0.6624,  
0.3376

 128.1377, 0.4248,  
0.3567

 1.1253, 0.7134,  
0.2866

 161.1337, 0.4166,  
0.3554

 0.0000, 1.0000,  
0.0000

199.3573, 0.4094,

 0.0000, 0.0000,

0.3542

0.0000

243.1928, 0.4032,  
0.3531

■ 28.1168, 0.4961,  
0.3623

■ 28.1168, 0.4961,  
0.3623

■ 24.3328, 0.5372,  
0.3626

■ 32.7906, 0.4560,  
0.3592

■ 21.3759, 0.5751,  
0.3593

■ 38.4022, 0.4195,  
0.3544


■ 19.1822, 0.6049,  
0.3524

■ 45.0016, 0.3879,  
0.3487


■ 18.2822, 0.6173,  
0.3481


■ 52.6336, 0.3610,  
0.3428

■ 61.3406, 0.3387,  
0.3369

 71.1622, 0.3201,  
0.3314

 82.1362, 0.3048,  
0.3263

 93.9179, 0.2952,  
0.3274

 94.9113, 0.2952,  
0.3289

# Harmonies

## Analogous

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



28.1168, 0.4549, 0.2989



28.1168, 0.4961, 0.3623



28.1168, 0.4770, 0.4283

# Triad

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



28.1168, 0.4961, 0.3623



28.1168, 0.2452, 0.4431



28.1168, 0.2028, 0.1921

# Complementary

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



28.1168, 0.4961, 0.3623



46.2423, 0.2260, 0.2859

# 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.



28.1168, 0.1651, 0.2053



28.1168, 0.4961, 0.3623



28.1168, 0.1843, 0.3391

# Square

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



28.1168, 0.4961, 0.3623



28.1168, 0.3296, 0.5014



28.1168, 0.1583, 0.2525



28.1168, 0.2725, 0.2064



# Rectangle

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



28.1168, 0.4961, 0.3623



28.1168, 0.4384, 0.4689



28.1168, 0.1583, 0.2525



28.1168, 0.1867, 0.1932

# Sweetspot

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



28.1183, 0.4961, 0.3623



75.2820, 0.3483, 0.3396



25.9329, 0.3526, 0.2065



15.4166, 0.3548, 0.3413



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.



28.1183, 0.4961, 0.3623



30.3398, 0.5527, 0.3618



50.2944, 0.4328, 0.4390



14.1695, 0.3287, 0.3340



10.5686, 0.6148, 0.3500



0.8626, 0.5853, 0.3735



# Inverse Universe

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



46.2423, 0.2260, 0.2859



55.5471, 0.2150, 0.2750



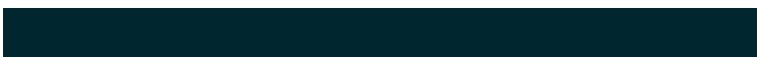
21.5660, 0.2008, 0.1788



15.0527, 0.2982, 0.3239



21.4855, 0.2054, 0.2595

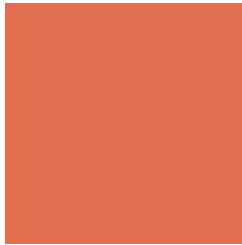


1.6142, 0.2087, 0.2714



# Previews

## White Background



This preview shows how the Yxy color 28.1168, 0.4961, 0.3623 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 28.1168, 0.4961, 0.3623 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 28.1168, 0.4961, 0.3623**

## Background



This preview shows how black text looks on a background with the Yxy color 28.1168, 0.4961, 0.3623.



This preview shows how white text looks on a background with the Yxy color 28.1168, 0.4961, 0.3623.

# 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

28.1168, 0.4961, 0.3623

### Protanopia

28.2926, 0.3810, 0.4121

### Deuteranopia

28.1499, 0.4258, 0.4174



## Tritanopia

28.2243, 0.4591, 0.3216

# Trichromacy



**Original Color**

28.1168, 0.4961, 0.3623

**Protanomaly**

27.5469, 0.4227, 0.3924

**Deuteranomaly**

27.5763, 0.4521, 0.3950

**Tritanomaly**

28.0153, 0.4732, 0.3361

# Monochromacy



**Original Color**

28.1168, 0.4961, 0.3623

**Achromatopsia**

27.0498, 0.3127, 0.3290

**Achromatomaly**

26.4487, 0.3765, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.1168, 0.4961, 0.3623 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(226, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 111, 80)  
}
```

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(226, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 111, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 28.1168, 0.4961, 0.3623 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(226, 111, 80) }
```

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

```
.border{ border-color:rgb(226, 111, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 111, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 111,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.1168, 0.4961, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 111, 80) }
```

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

```
.background{ background-color: rgb(226,  
111, 80) }
```

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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