

# Converting Colors

$Y_{xy}(30.6096, 0.4899, 0.3784)$

Have a look what the booklet for  
Yxy(30.6096, 0.4899, 0.3784)  
contains.

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# Color

**Yxy(30.6096, 0.4899, 0.3784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E27A4C
RGB	226, 122, 76
RGB Percent	89%, 48%, 30%
CMY	0.1137, 0.5216, 0.7020
CMYK	0.00, 0.46, 0.66, 0.11
HSL	18°, 72%, 59%
HSV	18°, 66%, 89%
XYZ	39.6291, 30.6096, 10.6535
YIQ	147.8520, 76.7500, 7.7420

# Conversions

## Conversions Part 2

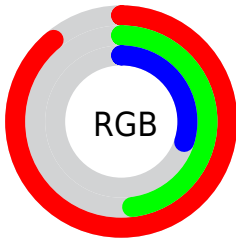
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 142, 76
Decimal	14842444
CIE Lab	62.18, 36.56, 42.63
CIE LCh	62, 56.161, 49.378
Yxy	30.6096, 0.4899, 0.3784
Android (android.graphics.Color)	4293032524 (0xFFE27A4C)
YUV	147.8520, -35.4230, 68.5358
Hunter-Lab	55.3259, 31.0363, 27.3113

# Details

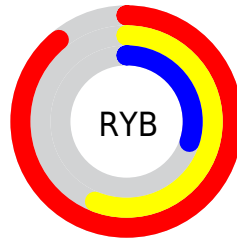
The Yxy color **30.6096, 0.4899, 0.3784** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **39.6634, 0.2194, 0.2634**, and the grayscale version is **29.6761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8170, 0.4284, 0.3809**, and **12.5896, 0.5424, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **26.8077, 0.5267, 0.3795**, and if you desaturate by 10%, it is **35.1454, 0.4535, 0.3738**.

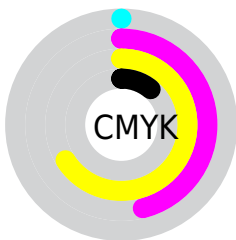
# Distribution



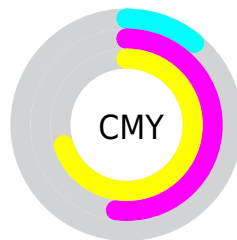
- Red (89%)
- Green (48%)
- Blue (30%)



- Red (89%)
- Yellow (56%)
- Blue (30%)



- Cyan (0%)
- Magenta (46%)
- Yellow (66%)
- Black (11%)



- Cyan (11%)
- Magenta (52%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6096, 0.4899, 0.3784 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 30.6096, 0.4899, 0.3784 by changing the saturation by 10% instead.





 30.6096, 0.4899,  
0.3784


 30.6096, 0.4899,  
0.3784


304.7357, 0.3967,  
0.3600

 20.3018, 0.5132,  
0.3798


 60.6249, 0.4557,  
0.3739


 12.6146, 0.5422,  
0.3792


 81.1011, 0.4428,  
0.3715


 7.1637, 0.5787,  
0.3743


 105.7356, 0.4320,  
0.3692

 3.5647, 0.6344,  
0.3656

 134.9128, 0.4228,  
0.3671

 1.4332, 0.6767,  
0.3233

 169.0170, 0.4149,  
0.3651

 0.2410, 0.8272,  
0.1728

208.4326, 0.4080,

 0.0000, 1.0000,

0.3633

0.0000

253.5440, 0.4020,  
0.3616

0.0000, 0.0000,  
0.0000

30.6096, 0.4899,  
0.3784

30.6096, 0.4899,  
0.3784

26.8077, 0.5267,  
0.3795

35.1454, 0.4535,  
0.3738

23.6931, 0.5606,  
0.3760

40.4482, 0.4198,  
0.3669


21.2199, 0.5881,  
0.3678


46.5551, 0.3898,  
0.3588

20.4667, 0.5967,  
0.3644

53.4987, 0.3638,  
0.3503

61.3102, 0.3417,  
0.3419

 70.0188, 0.3231,  
0.3338

 79.6525, 0.3073,  
0.3264

 90.1222, 0.2951,  
0.3212

 94.9097, 0.2952,  
0.3289

# Harmonies

## Analogous

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



30.6096, 0.4647, 0.3155



30.6096, 0.4899, 0.3784



30.6096, 0.4595, 0.4415

# Triad

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



30.6096, 0.4899, 0.3784



30.6096, 0.2304, 0.4145



30.6096, 0.2207, 0.1976

# Complementary

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



30.6096, 0.4899, 0.3784



39.6634, 0.2194, 0.2634

# 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.



30.6096, 0.1761, 0.2035



30.6096, 0.4899, 0.3784



30.6096, 0.1792, 0.3150

# Square

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



30.6096, 0.4899, 0.3784



30.6096, 0.3083, 0.4867



30.6096, 0.1620, 0.2406



30.6096, 0.2956, 0.2176



# Rectangle

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



30.6096, 0.4899, 0.3784



30.6096, 0.4172, 0.4768



30.6096, 0.1620, 0.2406



30.6096, 0.2024, 0.1965

# Sweetspot

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



30.6112, 0.4899, 0.3784



76.6198, 0.3496, 0.3450



24.6723, 0.3735, 0.2179



15.7790, 0.3559, 0.3474



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.



30.6112, 0.4899, 0.3784



33.4389, 0.5413, 0.3786



56.1717, 0.4244, 0.4548



14.3828, 0.3284, 0.3363



11.8602, 0.5939, 0.3666



0.9772, 0.5635, 0.3908



# Inverse Universe

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



39.6634, 0.2194, 0.2634



45.8082, 0.2067, 0.2468



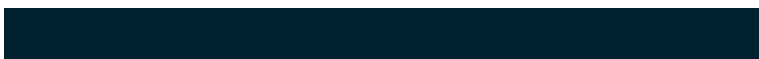
17.3324, 0.1929, 0.1529



14.8256, 0.2982, 0.3216



17.0457, 0.1961, 0.2261



1.3377, 0.2011, 0.2438



# Previews

## White Background



This preview shows how the Yxy color 30.6096, 0.4899, 0.3784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6096, 0.4899, 0.3784 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.6096, 0.4899, 0.3784**

## Background



This preview shows how black text looks on a background with the Yxy color 30.6096, 0.4899, 0.3784.



This preview shows how white text looks on a background with the Yxy color 30.6096, 0.4899, 0.3784.

# 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

30.6096, 0.4899, 0.3784

### Protanopia

30.8044, 0.3908, 0.4259

### Deuteranopia

30.5390, 0.4337, 0.4244



## Tritanopia

30.6040, 0.4416, 0.3203

# Trichromacy



## Original Color

30.6096, 0.4899, 0.3784

## Protanomaly

29.9302, 0.4275, 0.4076

## Deuteranomaly

30.2265, 0.4556, 0.4056

## Tritanomaly

30.5124, 0.4607, 0.3418

# Monochromacy



## Original Color

30.6096, 0.4899, 0.3784

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

29.1005, 0.3730, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.6096, 0.4899, 0.3784 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, 122, 76)` looks like.

```
.text, #text, p{  
    color:rgb(226, 122, 76)  
}
```

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, 122, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 122, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 30.6096, 0.4899, 0.3784 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, 122, 76) }
```

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

```
.border{ border-color:rgb(226, 122, 76) }
```

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

Here you see how a box with a 4 pixel rgb(226, 122, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 122, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 122, 76);  
box-shadow:4px 4px 4px 4px rgb(226, 122,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.6096, 0.4899, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 122, 76) }
```

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

```
.background{ background-color: rgb(226,  
122, 76) }
```

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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