

# Converting Colors

$Y_{xy}(28.0808, 0.5048, 0.3615)$

Have a look what the booklet for  
Yxy(28.0808, 0.5048, 0.3615)  
contains.

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# Color

**Yxy(27.9190, 0.5048, 0.3612)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E56C4D
RGB	229, 108, 77
RGB Percent	90%, 42%, 30%
CMY	0.1019, 0.5765, 0.6980
CMYK	0.00, 0.53, 0.66, 0.10
HSL	12°, 75%, 60%
HSV	12°, 66%, 90%
XYZ	39.0186, 27.9190, 10.3575
YIQ	140.6450, 82.0670, 16.0110

# Conversions

## Conversions Part 2

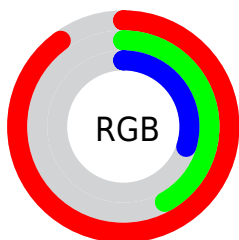
Format	Color
<a href="#">RYB</a>	<a href="#">229, 116, 77</a>
Decimal	<a href="#">15035469</a>
CIELab	<a href="#">59.82, 44.81, 39.42</a>
CIELCh	<a href="#">60, 59.683, 41.335</a>
Yxy	<a href="#">27.9190, 0.5048, 0.3612</a>
Android (android.graphics.Color)	<a href="#">4293225549</a> (0xFFE56C4D)
YUV	<a href="#">140.6450, -31.3770, 77.4873</a>
Hunter-Lab	<a href="#">52.8384, 39.3462, 25.3647</a>

# Details

The Yxy color **27.9190, 0.5048, 0.3612** 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 **47.6412, 0.2248, 0.2863**, and the grayscale version is **26.5920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6330, 0.4359, 0.3656**, and **11.1561, 0.5651, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **24.1998, 0.5460, 0.3608**, and if you desaturate by 10%, it is **32.5594, 0.4639, 0.3587**.

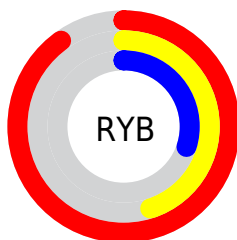
# Distribution



Red (90%)

Green (42%)

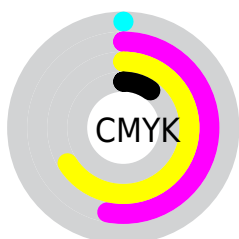
Blue (30%)



Red (90%)

Yellow (45%)

Blue (30%)

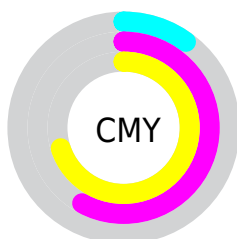


Cyan (0%)

Magenta (53%)

Yellow (66%)

Black (10%)



Cyan (10%)


Magenta (58%)


Yellow (70%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9190, 0.5048, 0.3612 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 27.9190, 0.5048, 0.3612 by changing the saturation by 10% instead.


 27.9190, 0.5048,  
0.3612


 27.9190, 0.5048,  
0.3612


292.0797, 0.4019,  
0.3523


 18.2646, 0.5312,  
0.3599


 56.3551, 0.4665,  
0.3603


 11.1401, 0.5645,  
0.3558


 75.9056, 0.4523,  
0.3592


 6.1612, 0.6071,  
0.3458


 99.5236, 0.4404,  
0.3580

 2.9433, 0.6712,  
0.3288

 127.5934, 0.4303,  
0.3568

 1.1022, 0.7240,  
0.2760

 160.4996, 0.4217,  
0.3556

 0.0000, 1.0000,  
0.0000


198.6264, 0.4142,


 0.0000, 0.0000,


0.3544

0.0000

242.3583, 0.4077,  
0.3533


 27.9190, 0.5048,  
0.3612


 27.9190, 0.5048,  
0.3612


 24.1998, 0.5460,  
0.3608

 32.5594, 0.4639,  
0.3587


 21.3340, 0.5830,  
0.3569


 38.1732, 0.4263,  
0.3544


 19.2513, 0.6109,  
0.3495

 44.8143, 0.3935,  
0.3490


 18.6667, 0.6189,  
0.3467


 52.5309, 0.3656,  
0.3433

 61.3684, 0.3424,  
0.3376

 71.3695, 0.3232,  
0.3322

 82.5744, 0.3073,  
0.3272

 94.6802, 0.2970,  
0.3278

 95.3998, 0.2970,  
0.3290

# Harmonies

## Analogous

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



27.9190, 0.4610, 0.2959



27.9190, 0.5048, 0.3612



27.9190, 0.4846, 0.4299

# Triad

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



27.9190, 0.5048, 0.3612



27.9190, 0.2426, 0.4514



27.9190, 0.1971, 0.1866

# Complementary

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



27.9190, 0.5048, 0.3612



47.6412, 0.2248, 0.2863

# 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.



27.9190, 0.1588, 0.2002



27.9190, 0.5048, 0.3612



27.9190, 0.1792, 0.3407

# Square

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



27.9190, 0.5048, 0.3612



27.9190, 0.3305, 0.5114



27.9190, 0.1522, 0.2493



27.9190, 0.2689, 0.2010

# Rectangle

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



27.9190, 0.5048, 0.3612



27.9190, 0.4441, 0.4732



27.9190, 0.1522, 0.2493



27.9190, 0.1807, 0.1877

# Sweetspot

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



27.9205, 0.5048, 0.3612



73.9123, 0.3506, 0.3397



26.0763, 0.3541, 0.2041



15.1393, 0.3572, 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.



27.9205, 0.5048, 0.3612



29.2532, 0.5620, 0.3597



51.2342, 0.4363, 0.4411



14.8413, 0.3287, 0.3339



10.8090, 0.6166, 0.3486



0.9295, 0.5891, 0.3704



# Inverse Universe

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



47.6412, 0.2248, 0.2863



55.7266, 0.2143, 0.2757



21.3081, 0.1979, 0.1739



15.8113, 0.2981, 0.3241



22.6169, 0.2062, 0.2624

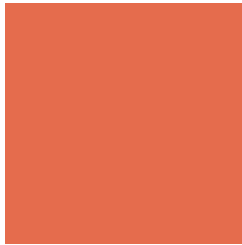


1.7978, 0.2092, 0.2732



# Previews

## White Background



This preview shows how the Yxy color 27.9190, 0.5048, 0.3612 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 27.9190, 0.5048, 0.3612 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 27.9190, 0.5048, 0.3612**

## Background



This preview shows how black text looks on a background with the Yxy color 27.9190, 0.5048, 0.3612.



This preview shows how white text looks on a background with the Yxy color 27.9190, 0.5048, 0.3612.

# 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

27.9190, 0.5048, 0.3612

### Protanopia

28.2581, 0.3829, 0.4151

### Deuteranopia

28.0969, 0.4295, 0.4221



## Tritanopia

28.0373, 0.4681, 0.3218

# Trichromacy



## Original Color

27.9190, 0.5048, 0.3612

## Protanomaly

27.3488, 0.4279, 0.3945

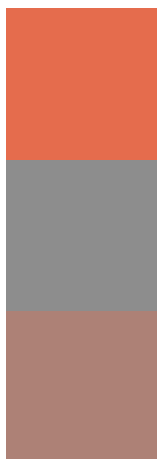
## Deuteranomaly

27.5301, 0.4592, 0.3973

## Tritanomaly

27.8270, 0.4821, 0.3359

# Monochromacy



## Original Color

27.9190, 0.5048, 0.3612

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.8928, 0.3786, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.9190, 0.5048, 0.3612 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, 108, 77)` looks like.

```
.text, #text, p{  
    color:rgb(229, 108, 77)  
}
```

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, 108, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 108, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 27.9190, 0.5048, 0.3612 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, 108, 77) }
```

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

```
.border{ border-color:rgb(229, 108, 77) }
```

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

Here you see how a box with a 4 pixel rgb(229, 108, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 108, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 108, 77);  
box-shadow:4px 4px 4px 4px rgb(229, 108,  
77) }
```

# Background

The CSS property to change the background color of an element to Yxy 27.9190, 0.5048, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 108, 77) }
```

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

```
.background{ background-color: rgb(229,  
108, 77) }
```

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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