

Converting Colors

$Y_{xy}(31.3314, 0.4829, 0.3695)$

Have a look what the booklet for
Yxy(31.3314, 0.4829, 0.3695)
contains.

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Color

Yxy(31.2330, 0.4835, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	E57A55
RGB	229, 122, 85
RGB Percent	90%, 48%, 33%
CMY	0.1020, 0.5215, 0.6665
CMYK	0.00, 0.47, 0.63, 0.10
HSL	15°, 73%, 62%
HSV	15°, 63%, 90%
XYZ	40.9135, 31.2330, 12.4729
YIQ	149.7750, 75.6490, 11.1770

Conversions

Conversions Part 2

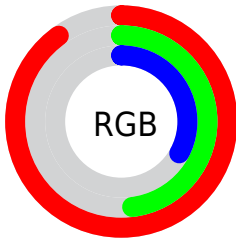
Format	Color
R _Y B	229, 135, 85
Decimal	15039061
CIE Lab	62.70, 38.28, 38.56
CIE LCh	63, 54.340, 45.208
Yxy	31.2330, 0.4835, 0.3691
Android (android.graphics.Color)	4293229141 (0xFFE57A55)
YUV	149.7750, -31.9341, 69.4803
Hunter-Lab	55.8865, 32.8751, 25.8880

Details

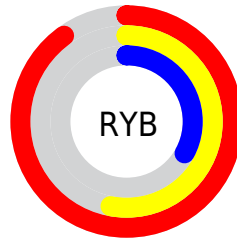
The Yxy color **31.2330, 0.4835, 0.3691** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **45.3011, 0.2255, 0.2779**, and the grayscale version is **30.5150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0882, 0.4198, 0.3710**, and **12.9712, 0.5347, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **27.1075, 0.5228, 0.3706**, and if you desaturate by 10%, it is **36.2114, 0.4457, 0.3647**.

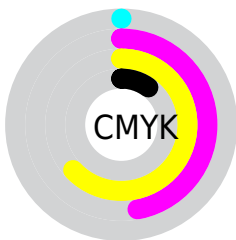
Distribution



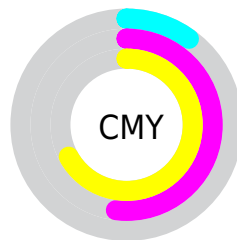
- Red (90%)
- Green (48%)
- Blue (33%)



- Red (90%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (10%)





- Cyan (10%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2330, 0.4835, 0.3691 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 31.2330, 0.4835, 0.3691 by changing the saturation by 10% instead.


 31.2330, 0.4835,
0.3691


 31.2330, 0.4835,
0.3691


307.6103, 0.3932,
0.3547

 20.7763, 0.5064,
0.3700


 61.6067, 0.4501,
0.3657

 12.9606, 0.5355,
0.3692


 82.2926, 0.4377,
0.3638


 7.4014, 0.5727,
0.3645


 107.1569, 0.4273,
0.3620

 3.7144, 0.6360,
0.3600

 136.5842, 0.4184,
0.3603

 1.5151, 0.6809,
0.3191

 170.9588, 0.4108,
0.3587

 0.2993, 0.8103,
0.1897

210.6651, 0.4041,

 0.0000, 1.0000,

0.3573

0.0000

256.0874, 0.3984,
0.3559

0.0000, 0.0000,
0.0000

31.2330, 0.4835,
0.3691

31.2330, 0.4835,
0.3691

27.1075, 0.5228,
0.3706

36.2114, 0.4457,
0.3647

23.7801, 0.5601,
0.3683

42.0834, 0.4115,
0.3586

21.1963, 0.5912,
0.3616

48.8930, 0.3817,
0.3516

19.7665, 0.6084,
0.3551

56.6796, 0.3563,
0.3444

65.4803, 0.3350,
0.3374

■ 75.3303, 0.3173,
0.3308

■ 86.2630, 0.3024,
0.3247

■ 95.3980, 0.2970,
0.3290

Harmonies

Analogous

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



31.2330, 0.4510, 0.3083



31.2330, 0.4835, 0.3691



31.2330, 0.4615, 0.4306

Triad

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



31.2330, 0.4835, 0.3691



31.2330, 0.2429, 0.4234



31.2330, 0.2161, 0.2009

Complementary

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



31.2330, 0.4835, 0.3691



45.3011, 0.2255, 0.2779

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.



31.2330, 0.1767, 0.2107



31.2330, 0.4835, 0.3691



31.2330, 0.1887, 0.3286

Square

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



31.2330, 0.4835, 0.3691



31.2330, 0.3205, 0.4844



31.2330, 0.1672, 0.2519



31.2330, 0.2849, 0.2170

Rectangle

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



31.2330, 0.4835, 0.3691



31.2330, 0.4238, 0.4659



31.2330, 0.1672, 0.2519



31.2330, 0.1996, 0.2011

Sweetspot

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



31.2347, 0.4835, 0.3691



76.4022, 0.3479, 0.3417



27.0106, 0.3601, 0.2152



15.6833, 0.3543, 0.3438



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.



31.2347, 0.4835, 0.3691



33.4076, 0.5328, 0.3704



55.4579, 0.4242, 0.4437



14.9666, 0.3286, 0.3351



11.4658, 0.6058, 0.3572



0.9942, 0.5772, 0.3799

Inverse Universe

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



45.3011, 0.2255, 0.2779



52.3886, 0.2141, 0.2658



21.2705, 0.2012, 0.1730



15.6768, 0.2981, 0.3228



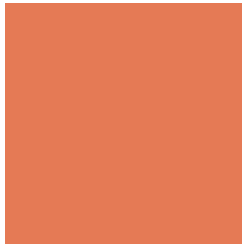
19.9163, 0.2011, 0.2438



1.6190, 0.2049, 0.2577

Previews

White Background



This preview shows how the Yxy color 31.2330, 0.4835, 0.3691 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 31.2330, 0.4835, 0.3691 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 31.2330, 0.4835, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 31.2330, 0.4835, 0.3691.



This preview shows how white text looks on a background with the Yxy color 31.2330, 0.4835, 0.3691.

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

31.2330, 0.4835, 0.3691

Protanopia

31.4080, 0.3821, 0.4129

Deuteranopia

31.3948, 0.4252, 0.4163



Tritanopia

31.1922, 0.4418, 0.3204

Trichromacy



Original Color

31.2330, 0.4835, 0.3691

Protanomaly

30.6413, 0.4191, 0.3958

Deuteranomaly

31.0571, 0.4463, 0.3980

Tritanomaly

31.1424, 0.4583, 0.3395

Monochromacy



Original Color

31.2330, 0.4835, 0.3691

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.8462, 0.3716, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2330, 0.4835, 0.3691 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, 122, 85)` looks like.

```
.text, #text, p{  
    color:rgb(229, 122, 85)  
}
```

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, 122, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 122, 85) }
```

Border

The CSS property to change the border of an element to Yxy 31.2330, 0.4835, 0.3691 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, 122, 85) }
```

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

```
.border{ border-color:rgb(229, 122, 85) }
```

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

Here you see how a box with a 4 pixel rgb(229, 122, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 122, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 122, 85);  
box-shadow:4px 4px 4px 4px rgb(229, 122,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2330, 0.4835, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 122, 85) }
```

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

```
.background{ background-color: rgb(229,  
122, 85) }
```

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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