

Converting Colors

$Y_{xy}(31.3676, 0.4889, 0.3778)$

Have a look what the booklet for
Yxy(31.3676, 0.4889, 0.3778)
contains.

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Color

Yxy(31.2100, 0.4888, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	E47B4E
RGB	228, 123, 78
RGB Percent	89%, 48%, 31%
CMY	0.1059, 0.5176, 0.6941
CMYK	0.00, 0.46, 0.66, 0.11
HSL	18°, 74%, 60%
HSV	18°, 66%, 89%
XYZ	40.4546, 31.2100, 11.0985
YIQ	149.2650, 77.0250, 8.2650

Conversions

Conversions Part 2

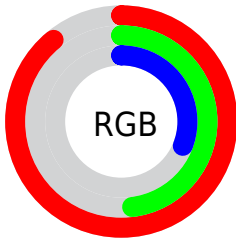
Format	Color
R _Y B	228, 142, 78
Decimal	14973774
CIE Lab	62.68, 36.95, 42.24
CIE LCh	63, 56.120, 48.819
Yxy	31.2100, 0.4888, 0.3771
Android (android.graphics.Color)	4293163854 (0xFFE47B4E)
YUV	149.2650, -35.1336, 69.0506
Hunter-Lab	55.8659, 31.4934, 27.3274

Details

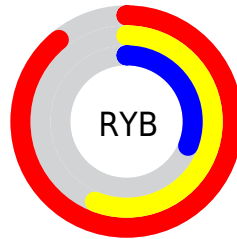
The Yxy color **31.2100, 0.4888, 0.3771** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **41.0883, 0.2203, 0.2656**, and the grayscale version is **30.2997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2628, 0.4262, 0.3800**, and **12.9491, 0.5398, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **27.2971, 0.5260, 0.3783**, and if you desaturate by 10%, it is **35.8851, 0.4522, 0.3725**.

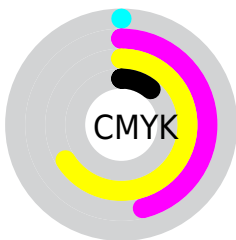
Distribution



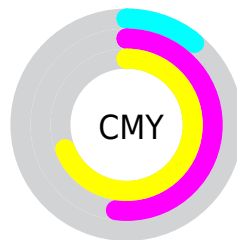
- Red (89%)
- Green (48%)
- Blue (31%)



- Red (89%)
- Yellow (56%)
- Blue (31%)



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





- Cyan (11%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2100, 0.4888, 0.3771 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 31.2100, 0.4888, 0.3771 by changing the saturation by 10% instead.


 31.2100, 0.4888,
0.3771


 31.2100, 0.4888,
0.3771


307.5046, 0.3963,
0.3593


 20.7588, 0.5119,
0.3784


 61.5705, 0.4548,
0.3727

 12.9478, 0.5407,
0.3779


 82.2487, 0.4421,
0.3704

 7.3926, 0.5770,
0.3732


 107.1046, 0.4314,
0.3682

 3.7088, 0.6341,
0.3659

 136.5227, 0.4223,
0.3661

 1.5121, 0.6756,
0.3244

 170.8873, 0.4144,
0.3642

 0.2972, 0.8058,
0.1942

210.5830, 0.4076,

 0.0000, 1.0000,

0.3625

0.0000

255.9939, 0.4016,
0.3608

■ 0.0000, 0.0000,
0.0000

■ 31.2100, 0.4888,
0.3771

■ 31.2100, 0.4888,
0.3771

■ 27.2971, 0.5260,
0.3783

■ 35.8851, 0.4522,
0.3725

■ 24.0979, 0.5604,
0.3750

■ 41.3570, 0.4184,
0.3657


■ 21.5650, 0.5884,
0.3670


■ 47.6642, 0.3884,
0.3577


■ 20.6788, 0.5984,
0.3630


■ 54.8409, 0.3626,
0.3494

■ 62.9194, 0.3406,
0.3411

 71.9302, 0.3221,
0.3333

 81.9024, 0.3065,
0.3260

 92.5110, 0.2963,
0.3246

 95.2351, 0.2964,
0.3290

Harmonies

Analogous

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



31.2100, 0.4626, 0.3145



31.2100, 0.4888, 0.3771



31.2100, 0.4596, 0.4399

Triad

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



31.2100, 0.4888, 0.3771



31.2100, 0.2322, 0.4156



31.2100, 0.2202, 0.1982

Complementary

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



31.2100, 0.4888, 0.3771



41.0883, 0.2203, 0.2656

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.



31.2100, 0.1764, 0.2046



31.2100, 0.4888, 0.3771



31.2100, 0.1807, 0.3169

Square

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



31.2100, 0.4888, 0.3771



31.2100, 0.3100, 0.4861



31.2100, 0.1629, 0.2423



31.2100, 0.2942, 0.2177

Rectangle

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



31.2100, 0.4888, 0.3771



31.2100, 0.4180, 0.4751



31.2100, 0.1629, 0.2423



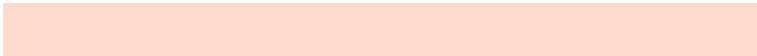
31.2100, 0.2021, 0.1973

Sweetspot

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



31.2117, 0.4888, 0.3771



76.4400, 0.3497, 0.3447



25.3623, 0.3729, 0.2186



15.7364, 0.3559, 0.3470



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.



31.2117, 0.4888, 0.3771



33.5545, 0.5392, 0.3776



57.4354, 0.4235, 0.4541



15.0694, 0.3285, 0.3361



12.1213, 0.5957, 0.3652



1.0540, 0.5670, 0.3880

Inverse Universe

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



41.0883, 0.2203, 0.2656



46.8253, 0.2079, 0.2499



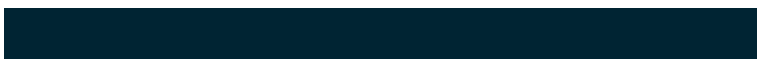
17.9460, 0.1938, 0.1545



15.5680, 0.2981, 0.3218



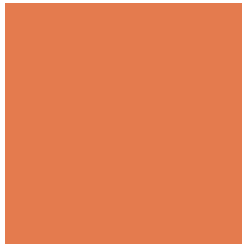
17.8880, 0.1968, 0.2284



1.4826, 0.2013, 0.2448

Previews

White Background



This preview shows how the Yxy color 31.2100, 0.4888, 0.3771 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 31.2100, 0.4888, 0.3771 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 31.2100, 0.4888, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 31.2100, 0.4888, 0.3771.



This preview shows how white text looks on a background with the Yxy color 31.2100, 0.4888, 0.3771.

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

31.2100, 0.4888, 0.3771

Protanopia

31.3765, 0.3905, 0.4236

Deuteranopia

31.4232, 0.4324, 0.4237



Tritanopia

31.1922, 0.4418, 0.3204

Trichromacy



Original Color

31.2100, 0.4888, 0.3771

Protanomaly

30.5087, 0.4270, 0.4057

Deuteranomaly

31.0958, 0.4539, 0.4051

Tritanomaly

31.0994, 0.4608, 0.3417

Monochromacy



Original Color

31.2100, 0.4888, 0.3771

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.6512, 0.3738, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2100, 0.4888, 0.3771 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(228, 123, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 123, 78)  
}
```

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(228, 123, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 123, 78) }
```

Border

The CSS property to change the border of an element to Yxy 31.2100, 0.4888, 0.3771 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(228, 123, 78) }
```

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

```
.border{ border-color:rgb(228, 123, 78) }
```

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

Here you see how a box with a 4 pixel rgb(228, 123, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 123, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 123, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 123,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2100, 0.4888, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 123, 78) }
```

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

```
.background{ background-color: rgb(228,  
123, 78) }
```

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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