

Converting Colors

$Y_{xy}(30.5161, 0.4999, 0.3655)$

Have a look what the booklet for
Yxy(30.5161, 0.4999, 0.3655)
contains.

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Color

Yxy(30.5028, 0.5004, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	EB7350
RGB	235, 115, 80
RGB Percent	92%, 45%, 31%
CMY	0.0784, 0.5490, 0.6863
CMYK	0.00, 0.51, 0.66, 0.08
HSL	14°, 79%, 62%
HSV	14°, 66%, 92%
XYZ	41.8410, 30.5028, 11.2713
YIQ	146.8900, 82.7550, 14.5550

Conversions

Conversions Part 2

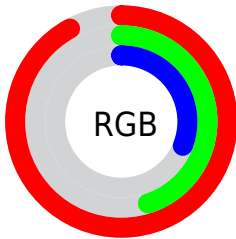
Format	Color
R_{YB}	235, 125, 80
Decimal	15430480
CIE _{Lab}	62.09, 43.78, 40.72
CIE _{LCh}	62, 59.792, 42.927
Yxy	30.5028, 0.5004, 0.3648
Android (android.graphics.Color)	4293620560 (0xFFEB7350)
YUV	146.8900, -32.9768, 77.2725
Hunter-Lab	55.2293, 38.5779, 26.5605

Details

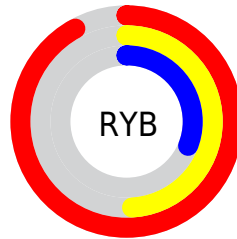
The Yxy color **30.5028, 0.5004, 0.3648** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **49.0129, 0.2239, 0.2817**, and the grayscale version is **29.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2476, 0.4290, 0.3698**, and **12.5491, 0.5561, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **26.4678, 0.5409, 0.3648**, and if you desaturate by 10%, it is **35.4814, 0.4604, 0.3618**.

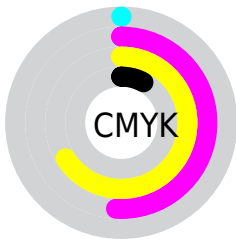
Distribution



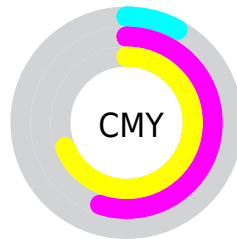
- Red (92%)
- Green (45%)
- Blue (31%)



- Red (92%)
- Yellow (49%)
- Blue (31%)



- Cyan (0%)
- Magenta (51%)
- Yellow (66%)
- Black (8%)




- Cyan (8%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5028, 0.5004, 0.3648 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 30.5028, 0.5004, 0.3648 by changing the saturation by 10% instead.


 30.5028, 0.5004,
0.3648


 30.5028, 0.5004,
0.3648


304.2411, 0.4012,
0.3540


 20.2205, 0.5253,
0.3642


 60.4564, 0.4639,
0.3631


 12.5555, 0.5567,
0.3612


 80.8966, 0.4502,
0.3618

 7.1232, 0.5963,
0.3531


 105.4915, 0.4387,
0.3604

 3.5392, 0.6589,
0.3411

 134.6255, 0.4290,
0.3590

 1.4193, 0.7058,
0.2942

 168.6831, 0.4206,
0.3576

 0.2309, 0.8559,
0.1441

208.0487, 0.4133,

 0.0000, 1.0000,

0.3563

0.0000

253.1065, 0.4069,
0.3551

0.0000, 0.0000,
0.0000

30.5028, 0.5004,
0.3648

30.5028, 0.5004,
0.3648

26.4678, 0.5409,
0.3648

35.4814, 0.4604,
0.3618

23.3096, 0.5776,
0.3609

41.4544, 0.4237,
0.3569


20.9601, 0.6059,
0.3532

48.4749, 0.3916,
0.3509


20.2157, 0.6150,
0.3499

56.5905, 0.3643,
0.3446

65.8459, 0.3415,
0.3383

 76.2833, 0.3225,
0.3323

 87.9428, 0.3067,
0.3268

 96.4031, 0.3005,
0.3290

Harmonies

Analogous

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



30.5028, 0.4608, 0.3003



30.5028, 0.5004, 0.3648



30.5028, 0.4783, 0.4320

Triad

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



30.5028, 0.5004, 0.3648



30.5028, 0.2406, 0.4425



30.5028, 0.2027, 0.1897

Complementary

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



30.5028, 0.5004, 0.3648



49.0129, 0.2239, 0.2817

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.



30.5028, 0.1633, 0.2017



30.5028, 0.5004, 0.3648



30.5028, 0.1801, 0.3351

Square

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



30.5028, 0.5004, 0.3648



30.5028, 0.3260, 0.5050



30.5028, 0.1552, 0.2480



30.5028, 0.2748, 0.2052

Rectangle

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



30.5028, 0.5004, 0.3648



30.5028, 0.4378, 0.4734



30.5028, 0.1552, 0.2480



30.5028, 0.1859, 0.1904

Sweetspot

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



30.5044, 0.5004, 0.3648



74.4843, 0.3504, 0.3409



27.6371, 0.3570, 0.2067



15.2742, 0.3569, 0.3426



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.



30.5044, 0.5004, 0.3648



30.4539, 0.5540, 0.3639



55.5417, 0.4337, 0.4431



15.6058, 0.3287, 0.3344



11.4078, 0.6125, 0.3519



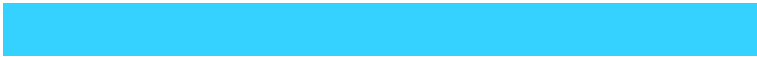
1.0371, 0.5860, 0.3729

Inverse Universe

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



49.0129, 0.2239, 0.2817



53.8422, 0.2133, 0.2705



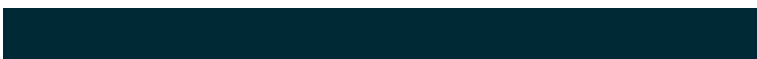
22.0985, 0.1975, 0.1711



16.5113, 0.2981, 0.3236



22.1425, 0.2041, 0.2546



1.8798, 0.2073, 0.2661

Previews

White Background



This preview shows how the Yxy color 30.5028, 0.5004, 0.3648 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 30.5028, 0.5004, 0.3648 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 30.5028, 0.5004, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 30.5028, 0.5004, 0.3648.



This preview shows how white text looks on a background with the Yxy color 30.5028, 0.5004, 0.3648.

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

30.5028, 0.5004, 0.3648

Protanopia

30.8160, 0.3833, 0.4166

Deuteranopia

30.4536, 0.4300, 0.4216



Tritanopia

30.4644, 0.4610, 0.3209

Trichromacy



Original Color

30.5028, 0.5004, 0.3648

Protanomaly

29.8287, 0.4266, 0.3966

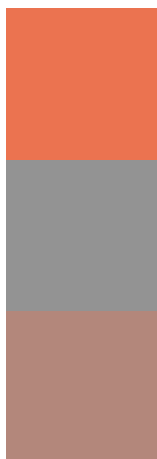
Deuteranomaly

29.9934, 0.4568, 0.3992

Tritanomaly

30.4207, 0.4764, 0.3380

Monochromacy



Original Color

30.5028, 0.5004, 0.3648

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.3417, 0.3771, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5028, 0.5004, 0.3648 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(235, 115, 80)` looks like.

```
.text, #text, p{  
    color:rgb(235, 115, 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(235, 115, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 115, 80) }
```

Border

The CSS property to change the border of an element to Yxy 30.5028, 0.5004, 0.3648 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(235, 115, 80) }
```

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

```
.border{ border-color:rgb(235, 115, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 115, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 115, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 115, 80);  
box-shadow:4px 4px 4px 4px rgb(235, 115,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5028, 0.5004, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 115, 80) }
```

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

```
.background{ background-color: rgb(235,  
115, 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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