

Converting Colors

$Y_{xy}(31.1428, 0.5119, 0.3755)$

Have a look what the booklet for
Yxy(31.1428, 0.5119, 0.3755)
contains.

| | |
|--|----|
| Yxy(31.1568, 0.5108, 0.3757) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(31.1568, 0.5108, 0.3757)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | ED7545 |
| RGB | 237, 117, 69 |
| RGB Percent | 93%, 46%, 27% |
| CMY | 0.0706, 0.5411, 0.7294 |
| CMYK | 0.00, 0.51, 0.71, 0.07 |
| HSL | 17°, 82%, 60% |
| HSV | 17°, 71%, 93% |
| XYZ | 42.3606, 31.1568, 9.4126 |
| YIQ | 147.4080, 86.9280, 10.5120 |

Conversions

Conversions Part 2

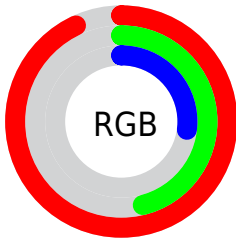
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 237, 136, 69 |
| Decimal | 15562053 |
| CIE Lab | 62.64, 42.96, 47.15 |
| CIE LCh | 63, 63.789, 47.664 |
| Yxy | 31.1568, 0.5108, 0.3757 |
| Android (android.graphics.Color) | 4293752133 (0xFFED7545) |
| YUV | 147.4080, -38.6551, 78.5722 |
| Hunter-Lab | 55.8183, 37.7822, 29.0748 |

Details

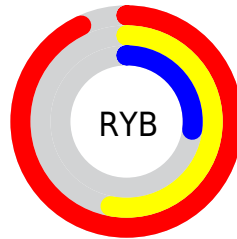
The Yxy color **31.1568, 0.5108, 0.3757** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **43.7750, 0.2160, 0.2631**, and the grayscale version is **29.4934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7177, 0.4375, 0.3826**, and **12.9451, 0.5666, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **27.3258, 0.5477, 0.3744**, and if you desaturate by 10%, it is **35.8220, 0.4728, 0.3730**.

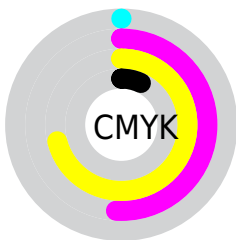
Distribution



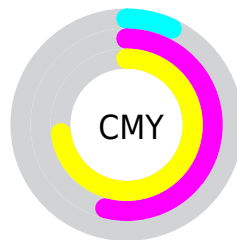
- Red (93%)
- Green (46%)
- Blue (27%)



- Red (93%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1568, 0.5108, 0.3757 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 31.1568, 0.5108, 0.3757 by changing the saturation by 10% instead.


 31.1568, 0.5108,
0.3757


 31.1568, 0.5108,
0.3757


307.2600, 0.4077,
0.3611

 20.7183, 0.5357,
0.3753


 61.4869, 0.4734,
0.3732

 12.9182, 0.5664,
0.3721

 82.1472, 0.4593,
0.3713


 7.3723, 0.6048,
0.3637


 106.9835, 0.4473,
0.3694

 3.6960, 0.6542,
0.3458

 136.3804, 0.4370,
0.3676

 1.5050, 0.6995,
0.3005

 170.7220, 0.4282,
0.3658

 0.2922, 0.8299,
0.1701

210.3929, 0.4205,

 0.0000, 1.0000,

0.3641

0.0000

255.7775, 0.4137,
0.3625

■ 0.0000, 0.0000,
0.0000

■ 31.1568, 0.5108,
0.3757

■ 31.1568, 0.5108,
0.3757

■ 27.3258, 0.5477,
0.3744

■ 35.8220, 0.4728,
0.3730

■ 24.2705, 0.5796,
0.3686


■ 41.3643, 0.4367,
0.3675


■ 22.1044, 0.6022,
0.3600


■ 47.8296, 0.4041,
0.3604

■ 55.2589, 0.3757,
0.3525

■ 63.6905, 0.3516,
0.3446

 73.1606, 0.3312,
0.3369

 83.7036, 0.3141,
0.3296

 95.1178, 0.3017,
0.3264

 96.7444, 0.3017,
0.3290

Harmonies

Analogous

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



31.1568, 0.4804, 0.3082



31.1568, 0.5108, 0.3757



31.1568, 0.4772, 0.4461

Triad

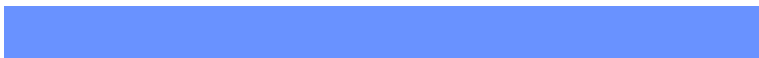
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.1568, 0.5108, 0.3757



31.1568, 0.2238, 0.4331



31.1568, 0.2068, 0.1841

Complementary

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



31.1568, 0.5108, 0.3757



43.7750, 0.2160, 0.2631

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.



31.1568, 0.1608, 0.1913



31.1568, 0.5108, 0.3757



31.1568, 0.1668, 0.3174

Square

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



31.1568, 0.5108, 0.3757



31.1568, 0.3104, 0.5119



31.1568, 0.1472, 0.2326



31.1568, 0.2872, 0.2044

Rectangle

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



31.1568, 0.5108, 0.3757



31.1568, 0.4304, 0.4887



31.1568, 0.1472, 0.2326



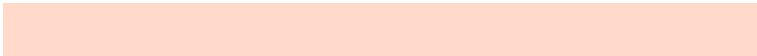
31.1568, 0.1876, 0.1833

Sweetspot

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



31.1585, 0.5108, 0.3757



74.9955, 0.3520, 0.3447



25.9532, 0.3757, 0.2107



15.4369, 0.3583, 0.3469



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.



31.1585, 0.5108, 0.3757



30.5507, 0.5628, 0.3724



60.0217, 0.4334, 0.4580



15.7550, 0.3286, 0.3358



12.2618, 0.5993, 0.3623



1.1221, 0.5722, 0.3839

Inverse Universe

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



43.7750, 0.2160, 0.2631



45.8073, 0.2049, 0.2473



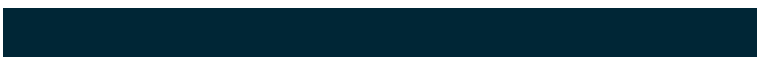
17.5660, 0.1861, 0.1432



16.3523, 0.2981, 0.3221



19.1230, 0.1982, 0.2334



1.6644, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 31.1568, 0.5108, 0.3757 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 31.1568, 0.5108, 0.3757 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 31.1568, 0.5108, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 31.1568, 0.5108, 0.3757.



This preview shows how white text looks on a background with the Yxy color 31.1568, 0.5108, 0.3757.

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

31.1568, 0.5108, 0.3757

Protanopia

31.3605, 0.3986, 0.4337

Deuteranopia

31.1131, 0.4431, 0.4332



Tritanopia

31.2261, 0.4620, 0.3210

Trichromacy



Original Color

31.1568, 0.5108, 0.3757

Protanomaly

30.3245, 0.4406, 0.4107

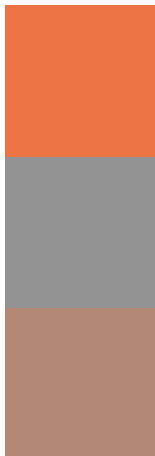
Deuteranomaly

30.5537, 0.4686, 0.4099

Tritanomaly

31.1006, 0.4821, 0.3419

Monochromacy



Original Color

31.1568, 0.5108, 0.3757

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.6435, 0.3824, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1568, 0.5108, 0.3757 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(237, 117, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 117, 69)  
}
```

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(237, 117, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 117, 69) }
```

Border

The CSS property to change the border of an element to Yxy 31.1568, 0.5108, 0.3757 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(237, 117, 69) }
```

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

```
.border{ border-color:rgb(237, 117, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 117, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 117, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 117, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 117,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1568, 0.5108, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 117, 69) }
```

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

```
.background{ background-color: rgb(237,  
117, 69) }
```

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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