

Converting Colors

$Yxy(31.8515, 0.5060, 0.3789)$

Have a look what the booklet for
Yxy(31.8515, 0.5060, 0.3789)
contains.

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Color

Yxy(31.7080, 0.5061, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	EC7846
RGB	236, 120, 70
RGB Percent	93%, 47%, 27%
CMY	0.0746, 0.5293, 0.7255
CMYK	0.00, 0.49, 0.70, 0.07
HSL	18°, 81%, 60%
HSV	18°, 70%, 93%
XYZ	42.4086, 31.7080, 9.6783
YIQ	148.9840, 85.1860, 9.0420

Conversions

Conversions Part 2

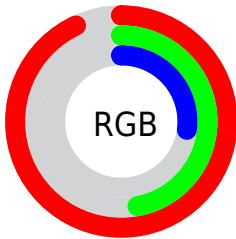
Format	Color
R _Y B	236, 142, 70
Decimal	15497286
CIE Lab	63.10, 41.12, 47.12
CIE LCh	63, 62.540, 48.894
Yxy	31.7080, 0.5061, 0.3784
Android (android.graphics.Color)	4293687366 (0xFFEC7846)
YUV	148.9840, -38.9391, 76.3130
Hunter-Lab	56.3099, 35.8914, 29.2264

Details

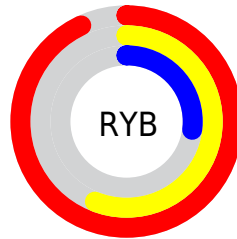
The Yxy color **31.7080, 0.5061, 0.3784** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **42.4534, 0.2156, 0.2599**, and the grayscale version is **30.1901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8882, 0.4347, 0.3847**, and **13.1871, 0.5606, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **27.8373, 0.5425, 0.3776**, and if you desaturate by 10%, it is **36.3818, 0.4689, 0.3752**.

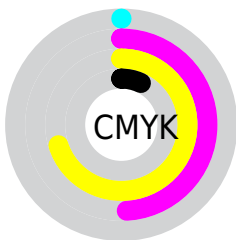
Distribution



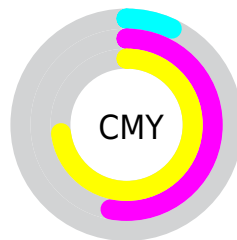
- Red (93%)
- Green (47%)
- Blue (27%)



- Red (93%)
- Yellow (56%)
- Blue (27%)



- Cyan (0%)
- Magenta (49%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7080, 0.5061, 0.3784 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 31.7080, 0.5061, 0.3784 by changing the saturation by 10% instead.


 31.7080, 0.5061,
0.3784


 31.7080, 0.5061,
0.3784


309.7869, 0.4057,
0.3620


 21.1386, 0.5304,
0.3786


 62.3530, 0.4697,
0.3751

 13.2253, 0.5602,
0.3762


 83.1974, 0.4559,
0.3730


 7.5839, 0.5973,
0.3689

 108.2356, 0.4443,
0.3710

 3.8299, 0.6466,
0.3534

 137.8520, 0.4343,
0.3689

 1.5789, 0.6899,
0.3101

 172.4309, 0.4257,
0.3670

 0.3433, 0.8065,
0.1935

212.3567, 0.4181,

 0.0000, 1.0000,

0.3652

0.0000

258.0140, 0.4115,
0.3636

0.0000, 0.0000,
0.0000

31.7080, 0.5061,
0.3784

31.7080, 0.5061,
0.3784

27.8373, 0.5425,
0.3776

36.3818, 0.4689,
0.3752

24.7150, 0.5743,
0.3721


41.8983, 0.4335,
0.3692

22.3515, 0.5984,
0.3630


48.3004, 0.4017,
0.3616


55.6262, 0.3739,
0.3533

63.9116, 0.3502,
0.3449

 73.1905, 0.3301,
0.3369

 83.4952, 0.3132,
0.3292

 94.6105, 0.3011,
0.3259

 96.5691, 0.3011,
0.3290

Harmonies

Analogous

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



31.7080, 0.4788, 0.3117



31.7080, 0.5061, 0.3784



31.7080, 0.4717, 0.4472

Triad

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



31.7080, 0.5061, 0.3784



31.7080, 0.2231, 0.4257



31.7080, 0.2116, 0.1873

Complementary

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



31.7080, 0.5061, 0.3784



42.4534, 0.2156, 0.2599

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.



31.7080, 0.1650, 0.1933



31.7080, 0.5061, 0.3784



31.7080, 0.1684, 0.3139

Square

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



31.7080, 0.5061, 0.3784



31.7080, 0.3073, 0.5052



31.7080, 0.1504, 0.2326



31.7080, 0.2919, 0.2082

Rectangle

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



31.7080, 0.5061, 0.3784



31.7080, 0.4253, 0.4878



31.7080, 0.1504, 0.2326



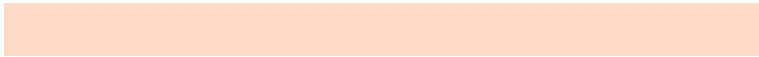
31.7080, 0.1923, 0.1861

Sweetspot

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



31.7097, 0.5061, 0.3784



75.4288, 0.3519, 0.3456



25.7617, 0.3788, 0.2137



15.5387, 0.3581, 0.3479



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.



31.7097, 0.5061, 0.3784



31.5955, 0.5560, 0.3760



60.8799, 0.4304, 0.4598



15.7942, 0.3285, 0.3362



12.5214, 0.5956, 0.3653



1.1466, 0.5684, 0.3869

Inverse Universe

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



42.4534, 0.2156, 0.2599



44.7047, 0.2042, 0.2437



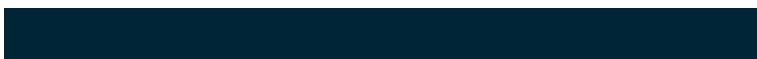
17.0954, 0.1861, 0.1412



16.3109, 0.2981, 0.3217



18.3832, 0.1966, 0.2278



1.6109, 0.2010, 0.2435

Previews

White Background



This preview shows how the Yxy color 31.7080, 0.5061, 0.3784 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 31.7080, 0.5061, 0.3784 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 31.7080, 0.5061, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 31.7080, 0.5061, 0.3784.



This preview shows how white text looks on a background with the Yxy color 31.7080, 0.5061, 0.3784.

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

31.7080, 0.5061, 0.3784

Protanopia

31.8116, 0.3982, 0.4332

Deuteranopia

31.8751, 0.4407, 0.4330



Tritanopia

31.7905, 0.4554, 0.3208

Trichromacy



Original Color

31.7080, 0.5061, 0.3784

Protanomaly

30.9230, 0.4379, 0.4121

Deuteranomaly

31.5501, 0.4657, 0.4120

Tritanomaly

31.6472, 0.4766, 0.3432

Monochromacy



Original Color

31.7080, 0.5061, 0.3784

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3568, 0.3815, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7080, 0.5061, 0.3784 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(236, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 120, 70)  
}
```

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(236, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 120, 70) }
```

Border

The CSS property to change the border of an element to Yxy 31.7080, 0.5061, 0.3784 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(236, 120, 70) }
```

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

```
.border{ border-color:rgb(236, 120, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 120, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 120,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.7080, 0.5061, 0.3784$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 120, 70) }
```

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

```
.background{ background-color: rgb(236,  
120, 70) }
```

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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