

Converting Colors

Yxy(31.3334, 0.5365, 0.4007)

Have a look what the booklet for
Yxy(31.3334, 0.5365, 0.4007)
contains.

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Color

Yxy(31.4546, 0.5361, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	EE771C
RGB	238, 119, 28
RGB Percent	93%, 47%, 11%
CMY	0.0666, 0.5334, 0.8902
CMYK	0.00, 0.50, 0.88, 0.07
HSL	26°, 86%, 52%
HSV	26°, 88%, 93%
XYZ	42.0729, 31.4546, 4.9521
YIQ	144.2070, 100.1350, -3.0730

Conversions

Conversions Part 2

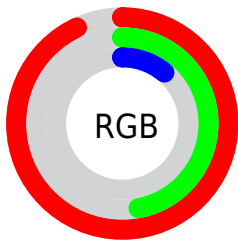
Format	Color
R _Y B	238, 189, 28
Decimal	15628060
CIE Lab	62.89, 41.02, 64.63
CIE LCh	63, 76.544, 57.597
Yxy	31.4546, 0.5361, 0.4008
Android (android.graphics.Color)	4293818140 (0xFFEE771C)
YUV	144.2070, -57.2901, 82.2565
Hunter-Lab	56.0844, 35.7578, 34.0240

Details

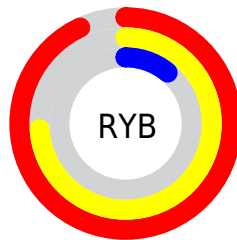
The Yxy color **31.4546, 0.5361, 0.4008** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.2996, 0.1904, 0.1972**, and the grayscale version is **28.1828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7717, 0.4633, 0.4153**, and **13.1283, 0.5738, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **28.3957, 0.5590, 0.3930**, and if you desaturate by 10%, it is **35.0605, 0.5085, 0.4033**.

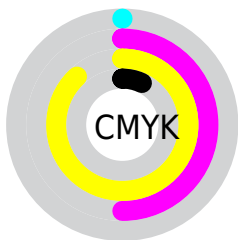
Distribution



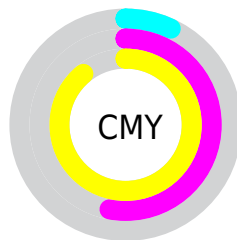
- Red (93%)
- Green (47%)
- Blue (11%)



- Red (93%)
- Yellow (74%)
- Blue (11%)



- Cyan (0%)
- Magenta (50%)
- Yellow (88%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4546, 0.5361, 0.4008 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 31.4546, 0.5361, 0.4008 by changing the saturation by 10% instead.


 31.4546, 0.5361,
0.4008


 31.4546, 0.5361,
0.4008


308.6272, 0.4255,
0.3798

 20.9453, 0.5595,
0.3993


 61.9551, 0.4983,
0.3980


 13.0840, 0.5866,
0.3938


 82.7150, 0.4832,
0.3954


 7.4864, 0.6184,
0.3816


 107.6606, 0.4701,
0.3926

 3.7681, 0.6470,
0.3530

 137.1763, 0.4588,
0.3898

 1.5447, 0.6907,
0.3093

 171.6464, 0.4489,
0.3871

 0.3199, 0.8135,
0.1865

 211.4553, 0.4401,

 0.0000, 1.0000,

0.3845

0.0000

256.9874, 0.4324,
0.3821

0.0000, 0.0000,
0.0000

31.4546, 0.5361,
0.4008

31.4546, 0.5361,
0.4008

28.3957, 0.5590,
0.3930

35.0605, 0.5085,
0.4033


27.9061, 0.5628,
0.3913


39.2463, 0.4781,
0.4007


44.0450, 0.4472,
0.3938


49.4851, 0.4176,
0.3842

55.5925, 0.3904,
0.3730

 62.3916, 0.3660,
0.3611

 69.9055, 0.3446,
0.3493

 78.1559, 0.3261,
0.3379

 87.1636, 0.3101,
0.3272

Harmonies

Analogous

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



31.4546, 0.5325, 0.3246



31.4546, 0.5361, 0.4008



31.4546, 0.4725, 0.4833

Triad

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



31.4546, 0.5361, 0.4008



31.4546, 0.1802, 0.4071



31.4546, 0.2153, 0.1682

Complementary

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



31.4546, 0.5361, 0.4008



27.2996, 0.1904, 0.1972

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.



31.4546, 0.1521, 0.1646



31.4546, 0.5361, 0.4008



31.4546, 0.1329, 0.2725

Square

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



31.4546, 0.5361, 0.4008



31.4546, 0.2692, 0.5331



31.4546, 0.1257, 0.1945



31.4546, 0.3202, 0.1999

Rectangle

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



31.4546, 0.5361, 0.4008



31.4546, 0.4097, 0.5325



31.4546, 0.1257, 0.1945



31.4546, 0.1896, 0.1637

Sweetspot

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



31.4563, 0.5361, 0.4008



74.7653, 0.3612, 0.3586



21.2306, 0.4412, 0.2272



15.3779, 0.3691, 0.3627



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.



31.4563, 0.5361, 0.4008



32.5145, 0.5634, 0.3909



69.7270, 0.4302, 0.4901



16.8852, 0.3282, 0.3393



15.8114, 0.5601, 0.3935



1.5095, 0.5371, 0.4117

Inverse Universe

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



27.2996, 0.1904, 0.1972



27.3262, 0.1827, 0.1776



8.3365, 0.1579, 0.0780



16.7157, 0.2980, 0.3185



13.3564, 0.1835, 0.1807



1.3086, 0.1895, 0.2020

Previews

White Background



This preview shows how the Yxy color 31.4546, 0.5361, 0.4008 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 31.4546, 0.5361, 0.4008 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 31.4546, 0.5361, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 31.4546, 0.5361, 0.4008.



This preview shows how white text looks on a background with the Yxy color 31.4546, 0.5361, 0.4008.

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

31.4546, 0.5361, 0.4008

Protanopia

31.6867, 0.4304, 0.4745

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.4016, 0.4630, 0.3210

Trichromacy



Original Color

31.4546, 0.5361, 0.4008

Protanomaly

30.9010, 0.4705, 0.4463

Deuteranomaly

31.1855, 0.4966, 0.4405

Tritanomaly

31.2318, 0.4992, 0.3574

Monochromacy



Original Color

31.4546, 0.5361, 0.4008

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7522, 0.4000, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4546, 0.5361, 0.4008 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(238, 119, 28)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 28)  
}
```

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(238, 119, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 28) }
```

Border

The CSS property to change the border of an element to Yxy 31.4546, 0.5361, 0.4008 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(238, 119, 28) }
```

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

```
.border{ border-color:rgb(238, 119, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 28);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4546, 0.5361, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 28) }
```

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

```
.background{ background-color: rgb(238,  
119, 28) }
```

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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