

Converting Colors

Yxy(31.7463, 0.5166, 0.4001)

Have a look what the booklet for
Yxy(31.7463, 0.5166, 0.4001)
contains.

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Color

Yxy(31.7763, 0.5161, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	E87C2F
RGB	232, 124, 47
RGB Percent	91%, 49%, 18%
CMY	0.0902, 0.5137, 0.8156
CMYK	0.00, 0.47, 0.80, 0.09
HSL	25°, 80%, 55%
HSV	25°, 80%, 91%
XYZ	40.9994, 31.7763, 6.6651
YIQ	147.5140, 89.0850, -1.0510

Conversions

Conversions Part 2

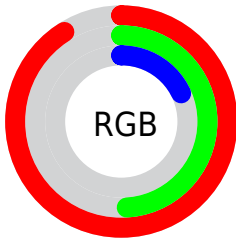
Format	Color
R _Y B	232, 179, 47
Decimal	15236143
CIE Lab	63.16, 36.59, 57.66
CIE LCh	63, 68.289, 57.598
Yxy	31.7763, 0.5161, 0.4000
Android (android.graphics.Color)	4293426223 (0xFFE87C2F)
YUV	147.5140, -49.5534, 74.0942
Hunter-Lab	56.3705, 31.1783, 32.4491

Details

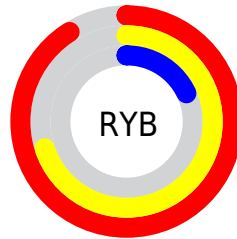
The Yxy color **31.7763, 0.5161, 0.4000** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **29.8812, 0.1990, 0.2165**, and the grayscale version is **29.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0016, 0.4484, 0.4075**, and **13.3111, 0.5603, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **28.4725, 0.5439, 0.3964**, and if you desaturate by 10%, it is **35.6492, 0.4851, 0.3984**.

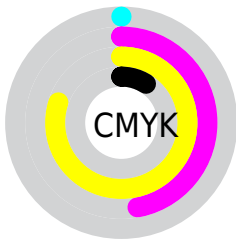
Distribution



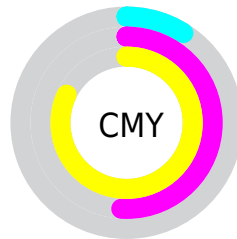
- Red (91%)
- Green (49%)
- Blue (18%)



- Red (91%)
- Yellow (70%)
- Blue (18%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (9%)



- Cyan (9%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7763, 0.5161, 0.4000 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 31.7763, 0.5161, 0.4000 by changing the saturation by 10% instead.


 31.7763, 0.5161,
0.4000


 31.7763, 0.5161,
0.4000


310.0990, 0.4134,
0.3755


 21.1907, 0.5391,
0.4008


 62.4602, 0.4801,
0.3948


 13.2635, 0.5661,
0.3983

 83.3273, 0.4660,
0.3916

 7.6102, 0.6052,
0.3948


 108.3904, 0.4540,
0.3885

 3.8466, 0.6313,
0.3687

 138.0338, 0.4436,
0.3856

 1.5881, 0.6717,
0.3283

 172.6420, 0.4345,
0.3828

 0.3496, 0.7864,
0.2136

 212.5993, 0.4266,

 0.0000, 1.0000,

0.3801

0.0000

258.2902, 0.4196,
0.3777

■ 0.0000, 0.0000,
0.0000

■ 31.7763, 0.5161,
0.4000

■ 31.7763, 0.5161,
0.4000

■ 28.4725, 0.5439,
0.3964

■ 35.6492, 0.4851,
0.3984

■ 25.6909, 0.5669,
0.3879


■ 40.1179, 0.4534,
0.3924


■ 25.6214, 0.5675,
0.3876

■ 45.2124, 0.4229,
0.3835

■ 50.9591, 0.3948,
0.3729

■ 57.3825, 0.3697,
0.3615

 64.5056, 0.3477,
0.3501

 72.3503, 0.3287,
0.3391

 80.9374, 0.3123,
0.3287

 90.2332, 0.2987,
0.3199

Harmonies

Analogous

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



31.7763, 0.5095, 0.3284



31.7763, 0.5161, 0.4000



31.7763, 0.4617, 0.4738

Triad

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



31.7763, 0.5161, 0.4000



31.7763, 0.1940, 0.3987



31.7763, 0.2249, 0.1813

Complementary

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



31.7763, 0.5161, 0.4000



29.8812, 0.1990, 0.2165

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.



31.7763, 0.1655, 0.1785



31.7763, 0.5161, 0.4000



31.7763, 0.1485, 0.2806

Square

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



31.7763, 0.5161, 0.4000



31.7763, 0.2766, 0.5070



31.7763, 0.1406, 0.2079



31.7763, 0.3204, 0.2110

Rectangle

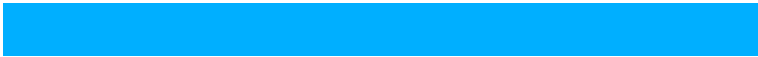
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7763, 0.5161, 0.4000



31.7763, 0.4054, 0.5144



31.7763, 0.1406, 0.2079



31.7763, 0.2009, 0.1773

Sweetspot

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



31.7780, 0.5161, 0.4000



75.9496, 0.3570, 0.3551



21.6600, 0.4192, 0.2244



15.5877, 0.3650, 0.3592



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.



31.7780, 0.5161, 0.4000



32.8875, 0.5597, 0.3908



65.2015, 0.4270, 0.4824



15.3485, 0.3282, 0.3388



14.4599, 0.5647, 0.3899



1.2484, 0.5386, 0.4106

Inverse Universe

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



29.8812, 0.1990, 0.2165



30.1089, 0.1866, 0.1899



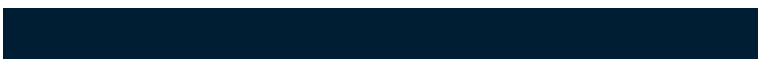
10.2728, 0.1677, 0.0975



15.2783, 0.2981, 0.3190



13.1785, 0.1853, 0.1870



1.1563, 0.1916, 0.2098

Previews

White Background



This preview shows how the Yxy color 31.7763, 0.5161, 0.4000 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 31.7763, 0.5161, 0.4000 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 31.7763, 0.5161, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 31.7763, 0.5161, 0.4000.



This preview shows how white text looks on a background with the Yxy color 31.7763, 0.5161, 0.4000.

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

31.7763, 0.5161, 0.4000

Protanopia

32.0450, 0.4187, 0.4620

Deuteranopia

31.7347, 0.4604, 0.4498



Tritanopia

31.7789, 0.4487, 0.3206

Trichromacy



Original Color

31.7763, 0.5161, 0.4000

Protanomaly

31.2303, 0.4553, 0.4384

Deuteranomaly

31.3239, 0.4820, 0.4302

Tritanomaly

31.7003, 0.4796, 0.3538

Monochromacy



Original Color

31.7763, 0.5161, 0.4000

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1966, 0.3888, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7763, 0.5161, 0.4000 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(232, 124, 47)` looks like.

```
.text, #text, p{  
    color:rgb(232, 124, 47)  
}
```

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(232, 124, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 124, 47) }
```

Border

The CSS property to change the border of an element to Yxy 31.7763, 0.5161, 0.4000 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(232, 124, 47) }
```

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

```
.border{ border-color:rgb(232, 124, 47) }
```

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

Here you see how a box with a 4 pixel rgb(232, 124, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 124, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 124, 47);  
box-shadow:4px 4px 4px 4px rgb(232, 124,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7763, 0.5161, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 124, 47) }
```

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

```
.background{ background-color: rgb(232,  
124, 47) }
```

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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