

Converting Colors

$Y_{xy}(31.0227, 0.5048, 0.4063)$

Have a look what the booklet for
Yxy(31.0227, 0.5048, 0.4063)
contains.

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Color

Yxy(31.0801, 0.5047, 0.4068)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DF7F30 |
| RGB | 223, 127, 48 |
| RGB Percent | 87%, 50%, 19% |
| CMY | 0.1254, 0.5020, 0.8118 |
| CMYK | 0.00, 0.43, 0.78, 0.13 |
| HSL | 27°, 73%, 53% |
| HSV | 27°, 78%, 87% |
| XYZ | 38.5598, 31.0801, 6.7615 |
| YIQ | 146.6980, 82.5750, -4.2170 |

Conversions

Conversions Part 2

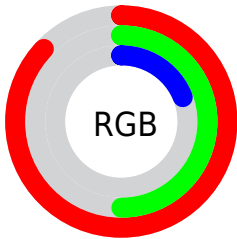
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 223, 192, 48 |
| Decimal | 14647088 |
| CIE Lab | 62.58, 31.46, 56.27 |
| CIE LCh | 63, 64.469, 60.796 |
| Yxy | 31.0801, 0.5047, 0.4068 |
| Android (android.graphics.Color) | 4292837168 (0xFFDF7F30) |
| YUV | 146.6980, -48.6581, 66.9169 |
| Hunter-Lab | 55.7495, 25.8999, 31.8337 |

Details

The Yxy color **31.0801, 0.5047, 0.4068** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **25.9101, 0.1978, 0.2090**, and the grayscale version is **29.2254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2278, 0.4454, 0.4096**, and **12.9891, 0.5464, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **27.9708, 0.5313, 0.4047**, and if you desaturate by 10%, it is **34.6690, 0.4754, 0.4037**.

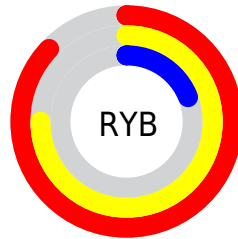
Distribution



Red (87%)

Green (50%)

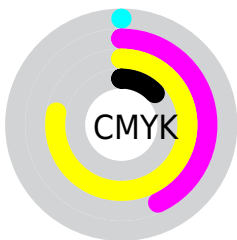
Blue (19%)



Red (87%)

Yellow (75%)

Blue (19%)

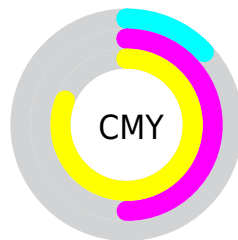


Cyan (0%)

Magenta (43%)

Yellow (78%)

Black (13%)



Cyan (13%)


Magenta (50%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0801, 0.5047, 0.4068 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 31.0801, 0.5047, 0.4068 by changing the saturation by 10% instead.


 31.0801, 0.5047,
0.4068

 31.0801, 0.5047,
0.4068


306.9072, 0.4073,
0.3773

 20.6598, 0.5267,
0.4092


 61.3662, 0.4704,
0.3995


 12.8756, 0.5526,
0.4088


 82.0008, 0.4570,
0.3956


 7.3429, 0.5912,
0.4088


 106.8089, 0.4456,
0.3919

 3.6775, 0.6151,
0.3849

 136.1751, 0.4358,
0.3885

 1.4948, 0.6528,
0.3472

 170.4836, 0.4272,
0.3853

 0.2851, 0.7872,
0.2128

 210.1188, 0.4197,

 0.0000, 0.0000,

0.3824

0.0000

255.4652, 0.4131,
0.3798

■ 31.0801, 0.5047,
0.4068

■ 31.0801, 0.5047,
0.4068

■ 27.9708, 0.5313,
0.4047

■ 34.6690, 0.4754,
0.4037

■ 25.3044, 0.5536,
0.3973

■ 38.7578, 0.4454,
0.3965

■ 24.9339, 0.5569,
0.3960

■ 43.3710, 0.4166,
0.3865

■ 48.5294, 0.3899,
0.3749

■ 54.2526, 0.3660,
0.3626

60.5592, 0.3448,
0.3503

67.4665, 0.3264,
0.3385

74.9913, 0.3104,
0.3274

83.1495, 0.2967,
0.3170

Harmonies

Analogous

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



31.0801, 0.5044, 0.3369



31.0801, 0.5047, 0.4068



31.0801, 0.4491, 0.4762

Triad

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



31.0801, 0.5047, 0.4068



31.0801, 0.1929, 0.3824



31.0801, 0.2370, 0.1887

Complementary

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



31.0801, 0.5047, 0.4068



25.9101, 0.1978, 0.2090

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.



31.0801, 0.1755, 0.1832



31.0801, 0.5047, 0.4068



31.0801, 0.1524, 0.2739

Square

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



31.0801, 0.5047, 0.4068



31.0801, 0.2696, 0.4893



31.0801, 0.1479, 0.2085



31.0801, 0.3317, 0.2201

Rectangle

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



31.0801, 0.5047, 0.4068



31.0801, 0.3938, 0.5110



31.0801, 0.1479, 0.2085



31.0801, 0.2126, 0.1838

Sweetspot

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



31.0817, 0.5047, 0.4068



77.0825, 0.3565, 0.3573



19.8263, 0.4312, 0.2339



15.8577, 0.3644, 0.3617



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.



31.0817, 0.5047, 0.4068



35.5830, 0.5457, 0.4006



64.1364, 0.4189, 0.4877



14.7143, 0.3281, 0.3396



14.8764, 0.5544, 0.3980



1.2082, 0.5284, 0.4187

Inverse Universe

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



25.9101, 0.1978, 0.2090



28.1326, 0.1845, 0.1811



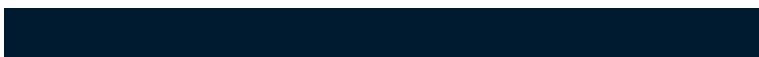
8.8578, 0.1674, 0.0927



14.4836, 0.2981, 0.3182



11.5962, 0.1819, 0.1749



0.9820, 0.1891, 0.2007

Previews

White Background



This preview shows how the Yxy color 31.0801, 0.5047, 0.4068 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 31.0801, 0.5047, 0.4068 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 31.0801, 0.5047, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 31.0801, 0.5047, 0.4068.



This preview shows how white text looks on a background with the Yxy color 31.0801, 0.5047, 0.4068.

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

31.0801, 0.5047, 0.4068

Protanopia

31.2784, 0.4195, 0.4605

Deuteranopia

31.1901, 0.4580, 0.4481



Tritanopia

31.0831, 0.4327, 0.3190

Trichromacy



Original Color

31.0801, 0.5047, 0.4068

Protanomaly

30.7117, 0.4512, 0.4409

Deuteranomaly

31.0553, 0.4759, 0.4325

Tritanomaly

30.9887, 0.4653, 0.3553

Monochromacy



Original Color

31.0801, 0.5047, 0.4068

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0178, 0.3836, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0801, 0.5047, 0.4068 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(223, 127, 48)` looks like.

```
.text, #text, p{  
    color:rgb(223, 127, 48)  
}
```

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(223, 127, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 127, 48) }
```

Border

The CSS property to change the border of an element to Yxy 31.0801, 0.5047, 0.4068 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(223, 127, 48) }
```

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

```
.border{ border-color:rgb(223, 127, 48) }
```

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

Here you see how a box with a 4 pixel rgb(223, 127, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 127, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 127, 48);  
box-shadow:4px 4px 4px 4px rgb(223, 127,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0801, 0.5047, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 127, 48) }
```

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

```
.background{ background-color: rgb(223,  
127, 48) }
```

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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