

Converting Colors

$Y_{xy}(31.3363, 0.4711, 0.3774)$

Have a look what the booklet for
Yxy(31.3363, 0.4711, 0.3774)
contains.

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Color

Yxy(31.2068, 0.4715, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	DD7F55
RGB	221, 127, 85
RGB Percent	87%, 50%, 33%
CMY	0.1333, 0.5020, 0.6666
CMYK	0.00, 0.43, 0.62, 0.13
HSL	19°, 67%, 60%
HSV	19°, 62%, 87%
XYZ	39.0499, 31.2068, 12.5639
YIQ	150.3180, 69.5060, 6.8660

Conversions

Conversions Part 2

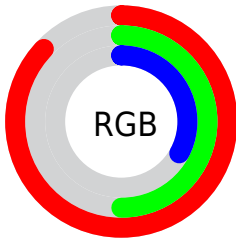
Format	Color
R _{YB}	221, 146, 85
Decimal	14516053
CIE Lab	62.68, 32.56, 38.29
CIE LCh	63, 50.261, 49.625
Yxy	31.2068, 0.4715, 0.3768
Android (android.graphics.Color)	4292706133 (0xFFDD7F55)
YUV	150.3180, -32.2018, 61.9881
Hunter-Lab	55.8630, 27.0164, 25.7695

Details

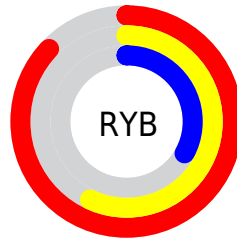
The Yxy color **31.2068, 0.4715, 0.3768** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **39.4035, 0.2246, 0.2688**, and the grayscale version is **30.7605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0853, 0.4171, 0.3761**, and **12.8859, 0.5200, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **27.2585, 0.5083, 0.3798**, and if you desaturate by 10%, it is **35.8664, 0.4363, 0.3709**.

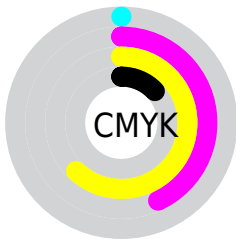
Distribution



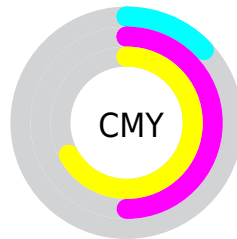
- Red (87%)
- Green (50%)
- Blue (33%)



- Red (87%)
- Yellow (57%)
- Blue (33%)



- Cyan (0%)
- Magenta (43%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2068, 0.4715, 0.3768 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 31.2068, 0.4715, 0.3768 by changing the saturation by 10% instead.


 31.2068, 0.4715,
0.3768


 31.2068, 0.4715,
0.3768


307.4899, 0.3876,
0.3575

 20.7564, 0.4929,
0.3792


 61.5655, 0.4404,
0.3714


 12.9460, 0.5200,
0.3805


 82.2426, 0.4289,
0.3688

 7.3914, 0.5549,
0.3788


 107.0973, 0.4192,
0.3665

 3.7081, 0.6152,
0.3790

 136.5141, 0.4109,
0.3643

 1.5116, 0.6571,
0.3429

 170.8774, 0.4038,
0.3624

 0.2969, 0.7874,
0.2126

210.5715, 0.3977,

 0.0000, 1.0000,

0.3606

0.0000

255.9809, 0.3923,
0.3590

0.0000, 0.0000,
0.0000

31.2068, 0.4715,
0.3768

31.2068, 0.4715,
0.3768

27.2585, 0.5083,
0.3798

35.8664, 0.4363,
0.3709

23.9792, 0.5440,
0.3787

41.2669, 0.4045,
0.3632

21.3290, 0.5749,
0.3728

47.4419, 0.3765,
0.3548

19.5348, 0.5960,
0.3650

54.4213, 0.3526,
0.3463

62.2336, 0.3322,
0.3380

70.9057, 0.3151,
0.3301

80.4632, 0.3006,
0.3229

90.4831, 0.2921,
0.3231

94.1130, 0.2923,
0.3289

Harmonies

Analogous

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



31.2068, 0.4483, 0.3187



31.2068, 0.4715, 0.3768



31.2068, 0.4456, 0.4332

Triad

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



31.2068, 0.4715, 0.3768



31.2068, 0.2391, 0.4036



31.2068, 0.2304, 0.2095

Complementary

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



31.2068, 0.4715, 0.3768



39.4035, 0.2246, 0.2688

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.



31.2068, 0.1888, 0.2154



31.2068, 0.4715, 0.3768



31.2068, 0.1920, 0.3171

Square

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



31.2068, 0.4715, 0.3768



31.2068, 0.3098, 0.4670



31.2068, 0.1756, 0.2501



31.2068, 0.2987, 0.2280

Rectangle

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



31.2068, 0.4715, 0.3768



31.2068, 0.4081, 0.4630



31.2068, 0.1756, 0.2501



31.2068, 0.2134, 0.2086

Sweetspot

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



31.2084, 0.4715, 0.3768



78.7881, 0.3453, 0.3434



25.1773, 0.3674, 0.2238



16.2082, 0.3516, 0.3459



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.



31.2084, 0.4715, 0.3768



36.2115, 0.5195, 0.3800



54.5278, 0.4167, 0.4481



13.7039, 0.3284, 0.3363



11.5248, 0.5932, 0.3672



0.8972, 0.5610, 0.3928

Inverse Universe

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



39.4035, 0.2246, 0.2688



48.2059, 0.2115, 0.2534



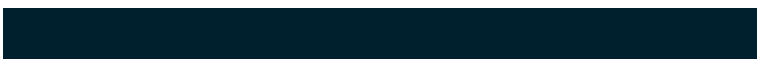
18.7897, 0.2015, 0.1674



14.1159, 0.2982, 0.3216



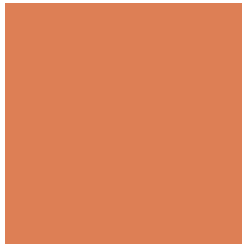
16.4341, 0.1960, 0.2255



1.2150, 0.2012, 0.2444

Previews

White Background



This preview shows how the Yxy color 31.2068, 0.4715, 0.3768 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 31.2068, 0.4715, 0.3768 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 31.2068, 0.4715, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 31.2068, 0.4715, 0.3768.



This preview shows how white text looks on a background with the Yxy color 31.2068, 0.4715, 0.3768.

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

31.2068, 0.4715, 0.3768

Protanopia

31.3716, 0.3840, 0.4157

Deuteranopia

31.2840, 0.4232, 0.4155



Tritanopia

31.1337, 0.4260, 0.3187

Trichromacy



Original Color

31.2068, 0.4715, 0.3768

Protanomaly

30.8394, 0.4153, 0.4007

Deuteranomaly

30.9283, 0.4423, 0.4004

Tritanomaly

31.0688, 0.4437, 0.3399

Monochromacy



Original Color

31.2068, 0.4715, 0.3768

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.0825, 0.3674, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2068, 0.4715, 0.3768 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(221, 127, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 127, 85)  
}
```

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(221, 127, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 127, 85) }
```

Border

The CSS property to change the border of an element to Yxy 31.2068, 0.4715, 0.3768 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(221, 127, 85) }
```

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

```
.border{ border-color:rgb(221, 127, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 127, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 127, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 127, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 127,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2068, 0.4715, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 127, 85) }
```

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

```
.background{ background-color: rgb(221,  
127, 85) }
```

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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