

Converting Colors

$Y_{xy}(31.2319, 0.4765, 0.3771)$

Have a look what the booklet for
Yxy(31.2319, 0.4765, 0.3771)
contains.

Yxy(31.2342, 0.4764, 0.3771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.2342, 0.4764, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	DF7E53
RGB	223, 126, 83
RGB Percent	87%, 49%, 33%
CMY	0.1254, 0.5059, 0.6745
CMYK	0.00, 0.44, 0.63, 0.13
HSL	18°, 69%, 60%
HSV	18°, 63%, 87%
XYZ	39.4590, 31.2342, 12.1342
YIQ	150.1010, 71.6150, 7.1910

Conversions

Conversions Part 2

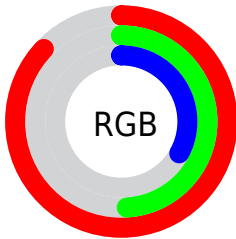
Format	Color
R _Y B	223, 145, 83
Decimal	14646867
CIE Lab	62.70, 33.75, 39.45
CIE LCh	63, 51.920, 49.452
Yxy	31.2342, 0.4764, 0.3771
Android (android.graphics.Color)	4292836947 (0xFFDF7E53)
YUV	150.1010, -33.0808, 63.9324
Hunter-Lab	55.8876, 28.2252, 26.2484

Details

The Yxy color **31.2342, 0.4764, 0.3771** 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 **39.8264, 0.2232, 0.2676**, and the grayscale version is **30.6654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6237, 0.4194, 0.3771**, and **12.9461, 0.5260, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **27.2932, 0.5133, 0.3796**, and if you desaturate by 10%, it is **35.8998, 0.4408, 0.3715**.

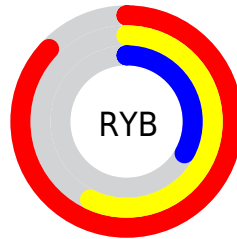
Distribution



Red (87%)

Green (49%)

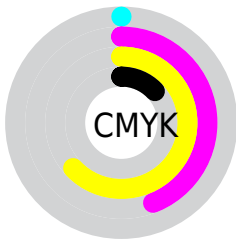
Blue (33%)



Red (87%)

Yellow (57%)

Blue (33%)

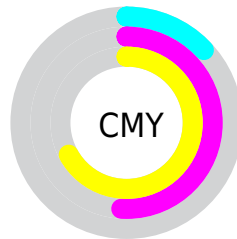


Cyan (0%)

Magenta (44%)

Yellow (63%)

Black (13%)



Cyan (13%)


Magenta (51%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2342, 0.4764, 0.3771 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 31.2342, 0.4764, 0.3771 by changing the saturation by 10% instead.


 31.2342, 0.4764,
0.3771


 31.2342, 0.4764,
0.3771

307.6158, 0.3900,
0.3581


 20.7773, 0.4983,
0.3792


 61.6086, 0.4445,
0.3719

 12.9613, 0.5259,
0.3801


 82.2949, 0.4326,
0.3694


 7.4019, 0.5612,
0.3775


 107.1597, 0.4226,
0.3671

 3.7147, 0.6229,
0.3771

 136.5874, 0.4141,
0.3650

 1.5153, 0.6621,
0.3379

 170.9625, 0.4068,
0.3630

 0.2994, 0.7916,
0.2084

210.6694, 0.4005,

 0.0000, 1.0000,

0.3612

0.0000

256.0923, 0.3949,
0.3596

0.0000, 0.0000,
0.0000

31.2342, 0.4764,
0.3771

31.2342, 0.4764,
0.3771

27.2932, 0.5133,
0.3796

35.8998, 0.4408,
0.3715

24.0331, 0.5487,
0.3779

41.3210, 0.4084,
0.3641


21.4118, 0.5789,
0.3714


47.5325, 0.3799,
0.3558

19.8824, 0.5965,
0.3646

54.5655, 0.3554,
0.3472

62.4493, 0.3346,
0.3389

 71.2118, 0.3171,
0.3311

 80.8794, 0.3023,
0.3238

 91.0569, 0.2933,
0.3235

 94.4314, 0.2935,
0.3289

Harmonies

Analogous

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



31.2342, 0.4525, 0.3177



31.2342, 0.4764, 0.3771



31.2342, 0.4496, 0.4354

Triad

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



31.2342, 0.4764, 0.3771



31.2342, 0.2370, 0.4068



31.2342, 0.2276, 0.2063

Complementary

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



31.2342, 0.4764, 0.3771



39.8264, 0.2232, 0.2676

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.



31.2342, 0.1853, 0.2123



31.2342, 0.4764, 0.3771



31.2342, 0.1887, 0.3169

Square

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



31.2342, 0.4764, 0.3771



31.2342, 0.3098, 0.4722



31.2342, 0.1720, 0.2478



31.2342, 0.2976, 0.2251

Rectangle

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



31.2342, 0.4764, 0.3771



31.2342, 0.4108, 0.4666



31.2342, 0.1720, 0.2478



31.2342, 0.2103, 0.2054

Sweetspot

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



31.2358, 0.4764, 0.3771



77.6801, 0.3474, 0.3442



25.2163, 0.3690, 0.2222



15.9881, 0.3537, 0.3466



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.



31.2358, 0.4764, 0.3771



35.6603, 0.5235, 0.3796



55.3550, 0.4188, 0.4499



14.3834, 0.3284, 0.3363



11.8641, 0.5938, 0.3667



0.9775, 0.5635, 0.3908

Inverse Universe

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



39.8264, 0.2232, 0.2676



47.9112, 0.2107, 0.2527



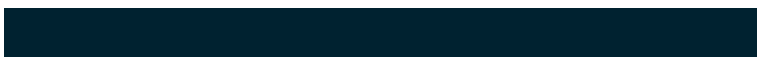
18.5397, 0.1992, 0.1636



14.8250, 0.2982, 0.3216



17.0355, 0.1961, 0.2260



1.3371, 0.2011, 0.2438

Previews

White Background



This preview shows how the Yxy color 31.2342, 0.4764, 0.3771 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 31.2342, 0.4764, 0.3771 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 31.2342, 0.4764, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 31.2342, 0.4764, 0.3771.



This preview shows how white text looks on a background with the Yxy color 31.2342, 0.4764, 0.3771.

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

31.2342, 0.4764, 0.3771

Protanopia

31.3362, 0.3858, 0.4185

Deuteranopia

31.3801, 0.4261, 0.4174



Tritanopia

31.1867, 0.4299, 0.3189

Trichromacy



Original Color

31.2342, 0.4764, 0.3771

Protanomaly

30.9310, 0.4183, 0.4029

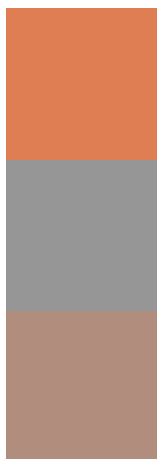
Deuteranomaly

31.0355, 0.4453, 0.4022

Tritanomaly

31.0965, 0.4488, 0.3409

Monochromacy



Original Color

31.2342, 0.4764, 0.3771

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9032, 0.3689, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2342, 0.4764, 0.3771 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, 126, 83)` looks like.

```
.text, #text, p{  
    color:rgb(223, 126, 83)  
}
```

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, 126, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 126, 83) }
```

Border

The CSS property to change the border of an element to Yxy 31.2342, 0.4764, 0.3771 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, 126, 83) }
```

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

```
.border{ border-color:rgb(223, 126, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 126, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 126, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 126, 83);  
box-shadow:4px 4px 4px 4px rgb(223, 126,  
83) }
```


Background

The CSS property to change the background color of an element to `rgb(223, 126, 83)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 126, 83) }
```

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

```
.background{ background-color: rgb(223,  
126, 83) }
```

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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