

Converting Colors

$Y_{xy}(31.8233, 0.4643, 0.3891)$

Have a look what the booklet for
Yxy(31.8233, 0.4643, 0.3891)
contains.

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Color

Yxy(31.8162, 0.4642, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	D78551
RGB	215, 133, 81
RGB Percent	84%, 52%, 32%
CMY	0.1568, 0.4784, 0.6824
CMYK	0.00, 0.38, 0.62, 0.16
HSL	23°, 63%, 58%
HSV	23°, 62%, 84%
XYZ	37.8986, 31.8162, 11.9280
YIQ	151.5900, 65.5640, 1.2120

Conversions

Conversions Part 2

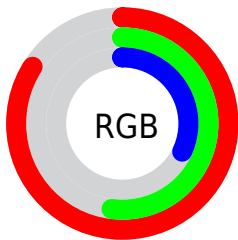
Format	Color
R _Y B	215, 166, 81
Decimal	14124369
CIE Lab	63.19, 26.68, 40.84
CIE LCh	63, 48.779, 56.848
Yxy	31.8162, 0.4642, 0.3897
Android (android.graphics.Color)	4292314449 (0xFFD78551)
YUV	151.5900, -34.8009, 55.6106
Hunter-Lab	56.4059, 21.2223, 26.9462

Details

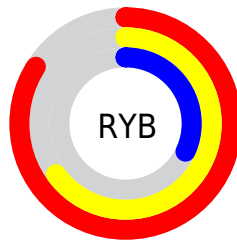
The Yxy color **31.8162, 0.4642, 0.3897** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.8521, 0.2200, 0.2513**, and the grayscale version is **31.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4666, 0.4172, 0.3861**, and **13.3642, 0.5089, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **28.1647, 0.4971, 0.3941**, and if you desaturate by 10%, it is **36.0243, 0.4322, 0.3821**.

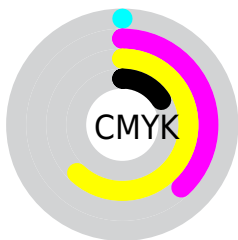
Distribution



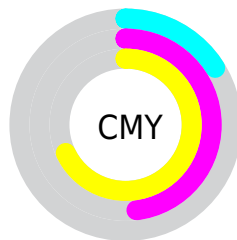
- Red (84%)
- Green (52%)
- Blue (32%)



- Red (84%)
- Yellow (65%)
- Blue (32%)



- Cyan (0%)
- Magenta (38%)
- Yellow (62%)
- Black (16%)





- Cyan (16%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8162, 0.4642, 0.3897 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 31.8162, 0.4642, 0.3897 by changing the saturation by 10% instead.


 31.8162, 0.4642,
0.3897


 31.8162, 0.4642,
0.3897


310.2811, 0.3848,
0.3635


 21.2211, 0.4841,
0.3939

 62.5228, 0.4350,
0.3817


 13.2858, 0.5091,
0.3975


 83.4032, 0.4241,
0.3782

 7.6256, 0.5408,
0.3987


 108.4808, 0.4149,
0.3750

 3.8563, 0.5961,
0.4039

 138.1401, 0.4071,
0.3722

 1.5935, 0.6286,
0.3714

 172.7653, 0.4003,
0.3697

 0.3532, 0.7381,
0.2619

212.7410, 0.3945,

 0.0000, 0.0000,

0.3674

0.0000

258.4515, 0.3893,
0.3653

■ 31.8162, 0.4642,
0.3897

■ 31.8162, 0.4642,
0.3897

■ 28.1647, 0.4971,
0.3941

■ 36.0243, 0.4322,
0.3821

■ 25.0384, 0.5289,
0.3941

■ 40.8087, 0.4027,
0.3725

■ 22.4092, 0.5567,
0.3888

■ 46.1937, 0.3764,
0.3620

■ 20.7013, 0.5747,
0.3819

■ 52.2008, 0.3533,
0.3514

■ 58.8502, 0.3334,
0.3410

■ 66.1612, 0.3163,
0.3312

■ 74.1522, 0.3017,
0.3220

■ 82.8409, 0.2893,
0.3136

■ 90.9234, 0.2887,
0.3253

Harmonies

Analogous

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



31.8162, 0.4534, 0.3328



31.8162, 0.4642, 0.3897



31.8162, 0.4300, 0.4419

Triad

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



31.8162, 0.4642, 0.3897



31.8162, 0.2282, 0.3810



31.8162, 0.2469, 0.2153

Complementary

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



31.8162, 0.4642, 0.3897



32.8521, 0.2200, 0.2513

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.



31.8162, 0.1997, 0.2152



31.8162, 0.4642, 0.3897



31.8162, 0.1892, 0.2997

Square

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



31.8162, 0.4642, 0.3897



31.8162, 0.2927, 0.4513



31.8162, 0.1802, 0.2420



31.8162, 0.3181, 0.2384

Rectangle

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



31.8162, 0.4642, 0.3897



31.8162, 0.3898, 0.4657



31.8162, 0.1802, 0.2420



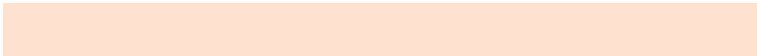
31.8162, 0.2282, 0.2126

Sweetspot

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



31.8178, 0.4642, 0.3897



79.7836, 0.3467, 0.3481



23.0003, 0.3839, 0.2346



16.4917, 0.3527, 0.3511



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.



31.8178, 0.4642, 0.3897



39.7944, 0.5082, 0.3947



56.0607, 0.4098, 0.4593



13.2032, 0.3281, 0.3381



12.5726, 0.5720, 0.3840



0.9166, 0.5400, 0.4095

Inverse Universe

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



32.8521, 0.2200, 0.2513



41.2618, 0.2052, 0.2311



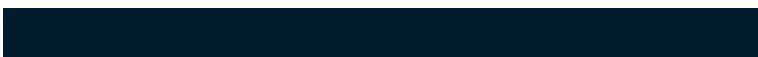
15.1380, 0.1966, 0.1496



13.2610, 0.2982, 0.3197



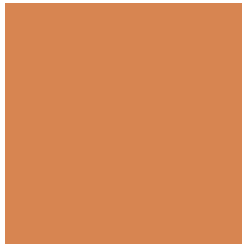
12.9464, 0.1882, 0.1974



0.9394, 0.1952, 0.2226

Previews

White Background



This preview shows how the Yxy color 31.8162, 0.4642, 0.3897 looks on a white background.

Color Contrast Check

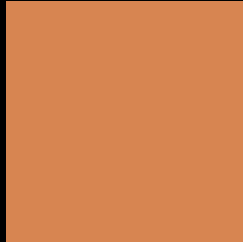
Large Text (above 18pt) WCAG AA × Fail

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 31.8162, 0.4642, 0.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

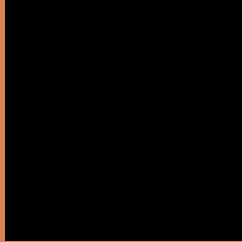
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8162, 0.4642, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 31.8162, 0.4642, 0.3897.



This preview shows how white text looks on a background with the Yxy color 31.8162, 0.4642, 0.3897.

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

31.8162, 0.4642, 0.3897

Protanopia

31.8119, 0.3910, 0.4245

Deuteranopia

31.9266, 0.4283, 0.4189



Tritanopia

31.7594, 0.4106, 0.3172

Trichromacy



Original Color

31.8162, 0.4642, 0.3897

Protanomaly

31.5279, 0.4176, 0.4124

Deuteranomaly

31.6200, 0.4414, 0.4078

Tritanomaly

31.8669, 0.4322, 0.3451

Monochromacy



Original Color

31.8162, 0.4642, 0.3897

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8711, 0.3651, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8162, 0.4642, 0.3897 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(215, 133, 81)` looks like.

```
.text, #text, p{  
    color:rgb(215, 133, 81)  
}
```

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(215, 133, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 133, 81) }
```

Border

The CSS property to change the border of an element to Yxy 31.8162, 0.4642, 0.3897 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(215, 133, 81) }
```

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

```
.border{ border-color:rgb(215, 133, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 133, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 133, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 133, 81);  
box-shadow:4px 4px 4px 4px rgb(215, 133,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8162, 0.4642, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 133, 81) }
```

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

```
.background{ background-color: rgb(215,  
133, 81) }
```

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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