

Converting Colors

$Y_{xy}(31.8774, 0.4325, 0.3814)$

Have a look what the booklet for
Yxy(31.8774, 0.4325, 0.3814)
contains.

Yxy(31.8774, 0.4325, 0.3814)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.8774, 0.4325, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	CC8A61
RGB	204, 138, 97
RGB Percent	80%, 54%, 38%
CMY	0.2000, 0.4588, 0.6196
CMYK	0.00, 0.32, 0.52, 0.20
HSL	23°, 51%, 59%
HSV	23°, 52%, 80%
XYZ	36.1483, 31.8774, 15.5542
YIQ	153.0600, 52.4970, 1.2410

Conversions

Conversions Part 2

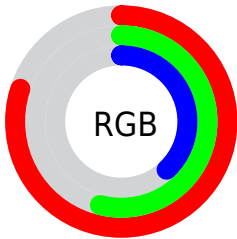
Format	Color
R _{YB}	204, 163, 97
Decimal	13404769
CIE Lab	63.24, 20.70, 32.07
CIE LCh	63, 38.174, 57.159
Yxy	31.8774, 0.4325, 0.3814
Android (android.graphics.Color)	4291594849 (0xFFCC8A61)
YUV	153.0600, -27.6376, 44.6744
Hunter-Lab	56.4601, 15.4788, 23.1882

Details

The Yxy color **31.8774, 0.4325, 0.3814** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **33.0912, 0.2332, 0.2669**, and the grayscale version is **31.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0974, 0.4017, 0.3751**, and **13.4042, 0.4711, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **28.1424, 0.4645, 0.3889**, and if you desaturate by 10%, it is **36.1316, 0.4029, 0.3720**.

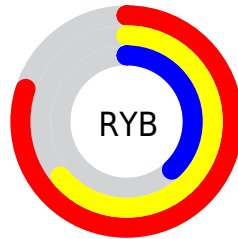
Distribution



Red (80%)

Green (54%)

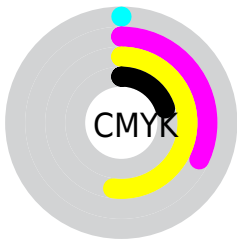
Blue (38%)



Red (80%)

Yellow (64%)

Blue (38%)

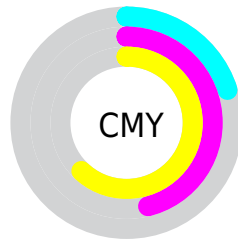


Cyan (0%)

Magenta (32%)

Yellow (52%)

Black (20%)



Cyan (20%)


Magenta (46%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8774, 0.4325, 0.3814 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 31.8774, 0.4325, 0.3814 by changing the saturation by 10% instead.


 31.8774, 0.4325,
0.3814


 31.8774, 0.4325,
0.3814


310.5604, 0.3690,
0.3569

 21.2679, 0.4491,
0.3864


 62.6188, 0.4088,
0.3732

 13.3199, 0.4705,
0.3918


 83.5195, 0.4000,
0.3699

 7.6492, 0.4989,
0.3970


 108.6194, 0.3927,
0.3670

 3.8713, 0.5401,
0.4019

 138.3029, 0.3865,
0.3645

 1.6018, 0.6000,
0.4000

172.9543, 0.3812,
0.3623

 0.3588, 0.7023,
0.2977

212.9581, 0.3766,

 0.0000, 0.0000,

0.3603

0.0000

258.6987, 0.3725,
0.3585

■ 31.8774, 0.4325,
0.3814

■ 31.8774, 0.4325,
0.3814

■ 28.1424, 0.4645,
0.3889

■ 36.1316, 0.4029,
0.3720

■ 24.9001, 0.4976,
0.3932

■ 40.9208, 0.3765,
0.3617

■ 22.1282, 0.5295,
0.3932

■ 46.2655, 0.3535,
0.3512

■ 19.8002, 0.5575,
0.3879

■ 52.1840, 0.3336,
0.3410

■ 18.3133, 0.5755,
0.3813

■ 58.6936, 0.3165,
0.3313

■ 65.8105, 0.3019,
0.3223

■ 73.5508, 0.2895,
0.3140

■ 81.5905, 0.2816,
0.3117

■ 89.2017, 0.2825,
0.3250

Harmonies

Analogous

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



31.8774, 0.4230, 0.3349



31.8774, 0.4325, 0.3814



31.8774, 0.4070, 0.4212

Triad

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



31.8774, 0.4325, 0.3814



31.8774, 0.2458, 0.3689



31.8774, 0.2613, 0.2368

Complementary

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



31.8774, 0.4325, 0.3814



33.0912, 0.2332, 0.2669

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.



31.8774, 0.2219, 0.2373



31.8774, 0.4325, 0.3814



31.8774, 0.2133, 0.3072

Square

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



31.8774, 0.4325, 0.3814



31.8774, 0.2981, 0.4216



31.8774, 0.2053, 0.2606



31.8774, 0.3185, 0.2560

Rectangle

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



31.8774, 0.4325, 0.3814



31.8774, 0.3756, 0.4370



31.8774, 0.2053, 0.2606



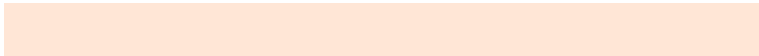
31.8774, 0.2458, 0.2346

Sweetspot

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



31.8790, 0.4325, 0.3814



82.6283, 0.3407, 0.3447



24.0935, 0.3658, 0.2451



17.2475, 0.3448, 0.3469



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.



31.8790, 0.4325, 0.3814



45.8250, 0.4690, 0.3897



50.4130, 0.3967, 0.4404



11.9068, 0.3281, 0.3379



11.6936, 0.5729, 0.3833



0.7490, 0.5365, 0.4122

Inverse Universe

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



33.0912, 0.2332, 0.2669



47.9480, 0.2187, 0.2504



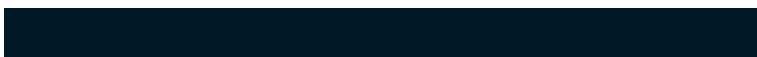
18.3260, 0.2167, 0.1844



11.9767, 0.2983, 0.3199



12.2908, 0.1887, 0.1994



0.7781, 0.1965, 0.2275

Previews

White Background



This preview shows how the Yxy color 31.8774, 0.4325, 0.3814 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 31.8774, 0.4325, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

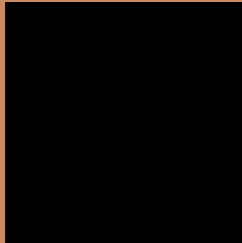
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8774, 0.4325, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 31.8774, 0.4325, 0.3814.



This preview shows how white text looks on a background with the Yxy color 31.8774, 0.4325, 0.3814.

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

31.8774, 0.4325, 0.3814

Protanopia

31.8687, 0.3749, 0.4041

Deuteranopia

32.1328, 0.4084, 0.4007



Tritanopia

31.8654, 0.3888, 0.3165

Trichromacy



Original Color

31.8774, 0.4325, 0.3814

Protanomaly

31.8227, 0.3952, 0.3960

Deuteranomaly

32.1285, 0.4172, 0.3934

Tritanomaly

31.8220, 0.4057, 0.3395

Monochromacy



Original Color

31.8774, 0.4325, 0.3814

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6439, 0.3533, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8774, 0.4325, 0.3814 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(204, 138, 97)` looks like.

```
.text, #text, p{  
    color:rgb(204, 138, 97)  
}
```

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(204, 138, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 138, 97) }
```

Border

The CSS property to change the border of an element to Yxy 31.8774, 0.4325, 0.3814 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(204, 138, 97) }
```

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

```
.border{ border-color:rgb(204, 138, 97) }
```

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

Here you see how a box with a 4 pixel rgb(204, 138, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 138, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 138, 97);  
box-shadow:4px 4px 4px 4px rgb(204, 138,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8774, 0.4325, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 138, 97) }
```

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

```
.background{ background-color: rgb(204,  
138, 97) }
```

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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