

Converting Colors

$Y_{xy}(31.9810, 0.4271, 0.3753)$

Have a look what the booklet for
Yxy(31.9810, 0.4271, 0.3753)
contains.

Yxy(31.9736, 0.4272, 0.3753)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9736, 0.4272, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	CC8A66
RGB	204, 138, 102
RGB Percent	80%, 54%, 40%
CMY	0.1999, 0.4589, 0.6000
CMYK	0.00, 0.32, 0.50, 0.20
HSL	21°, 50%, 60%
HSV	21°, 50%, 80%
XYZ	36.3952, 31.9736, 16.8260
YIQ	153.6300, 50.8920, 2.7960

Conversions

Conversions Part 2

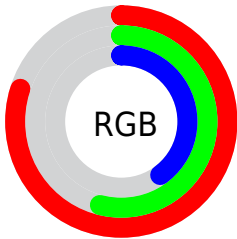
Format	Color
RYB	204, 158, 102
Decimal	13404774
CIELab	63.32, 21.18, 29.43
CIElCh	63, 36.264, 54.261
Yxy	31.9736, 0.4272, 0.3753
Android (android.graphics.Color)	4291594854 (0xFFCC8A66)
YUV	153.6300, -25.4536, 44.1745
Hunter-Lab	56.5452, 15.9371, 21.9389

Details

The Yxy color **31.9736, 0.4272, 0.3753** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **35.2107, 0.2376, 0.2752**, and the grayscale version is **32.2424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2592, 0.3976, 0.3699**, and **13.4488, 0.4642, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **28.0570, 0.4599, 0.3826**, and if you desaturate by 10%, it is **36.4538, 0.3975, 0.3664**.

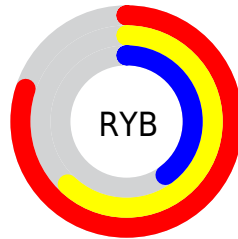
Distribution



Red (80%)

Green (54%)

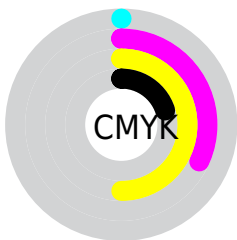
Blue (40%)



Red (80%)

Yellow (62%)

Blue (40%)

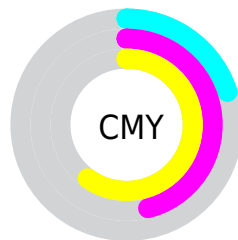


Cyan (0%)

Magenta (32%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9736, 0.4272, 0.3753 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 31.9736, 0.4272, 0.3753 by changing the saturation by 10% instead.


 31.9736, 0.4272,
0.3753

 31.9736, 0.4272,
0.3753


310.9990, 0.3663,
0.3537

 21.3413, 0.4432,
0.3797


 62.7697, 0.4044,
0.3681

 13.3737, 0.4641,
0.3846


 83.7023, 0.3960,
0.3651

 7.6864, 0.4921,
0.3894


 108.8372, 0.3890,
0.3626

 3.8949, 0.5314,
0.3927

 138.5587, 0.3831,
0.3604

 1.6150, 0.6021,
0.3979

173.2512, 0.3780,
0.3584

 0.3677, 0.7022,
0.2978

213.2992, 0.3736,

 0.0000, 0.0000,

0.3567

0.0000

259.0870, 0.3697,
0.3551

■ 31.9736, 0.4272,
0.3753

■ 31.9736, 0.4272,
0.3753

■ 28.0570, 0.4599,
0.3826

■ 36.4538, 0.3975,
0.3664

■ 24.6755, 0.4944,
0.3872

■ 41.5153, 0.3713,
0.3568

■ 21.8046, 0.5283,
0.3877

■ 47.1806, 0.3486,
0.3471

■ 19.4158, 0.5587,
0.3833

■ 53.4696, 0.3292,
0.3378

■ 17.4706, 0.5838,
0.3746

■ 60.4013, 0.3127,
0.3290

■ 67.9937, 0.2987,
0.3209

■ 76.2642, 0.2868,
0.3134

■ 84.5526, 0.2820,
0.3170

■ 91.5817, 0.2827,
0.3289

Harmonies

Analogous

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



31.9736, 0.4146, 0.3307



31.9736, 0.4272, 0.3753



31.9736, 0.4062, 0.4140

Triad

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



31.9736, 0.4272, 0.3753



31.9736, 0.2534, 0.3725



31.9736, 0.2594, 0.2401

Complementary

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



31.9736, 0.4272, 0.3753



35.2107, 0.2376, 0.2752

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.



31.9736, 0.2235, 0.2428



31.9736, 0.4272, 0.3753



31.9736, 0.2199, 0.3139

Square

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



31.9736, 0.4272, 0.3753



31.9736, 0.3045, 0.4197



31.9736, 0.2098, 0.2675



31.9736, 0.3126, 0.2568

Rectangle

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



31.9736, 0.4272, 0.3753



31.9736, 0.3777, 0.4302



31.9736, 0.2098, 0.2675



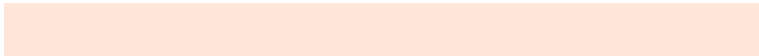
31.9736, 0.2451, 0.2387

Sweetspot

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



31.9752, 0.4272, 0.3753



82.9838, 0.3389, 0.3426



25.1857, 0.3601, 0.2467



17.2921, 0.3431, 0.3446



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.



31.9752, 0.4272, 0.3753



45.9822, 0.4626, 0.3831



50.0793, 0.3939, 0.4341



11.8502, 0.3281, 0.3372



11.1522, 0.5813, 0.3767



0.7174, 0.5435, 0.4066

Inverse Universe

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



35.2107, 0.2376, 0.2752



51.8375, 0.2238, 0.2611



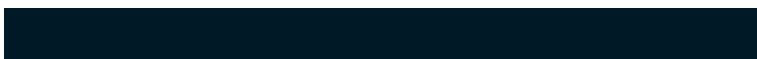
19.9822, 0.2221, 0.1948



12.0353, 0.2983, 0.3206



13.3211, 0.1917, 0.2103



0.8266, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 31.9736, 0.4272, 0.3753 looks on a white background.

Color Contrast Check

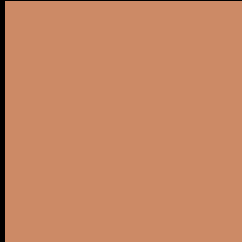
Large Text (above 18pt) WCAG AA × Fail

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 31.9736, 0.4272, 0.3753 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 31.9736, 0.4272, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 31.9736, 0.4272, 0.3753.



This preview shows how white text looks on a background with the Yxy color 31.9736, 0.4272, 0.3753.

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

31.9736, 0.4272, 0.3753

Protanopia

32.3009, 0.3696, 0.3981

Deuteranopia

32.1018, 0.4024, 0.3945



Tritanopia

32.0236, 0.3861, 0.3164

Trichromacy



Original Color

31.9736, 0.4272, 0.3753

Protanomaly

31.9237, 0.3902, 0.3891

Deuteranomaly

32.0926, 0.4110, 0.3873

Tritanomaly

32.0083, 0.4018, 0.3383

Monochromacy



Original Color

31.9736, 0.4272, 0.3753

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6997, 0.3513, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9736, 0.4272, 0.3753 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 138, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 138, 102) }
```

Border

The CSS property to change the border of an element to Yxy 31.9736, 0.4272, 0.3753 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, 102) }
```

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

```
.border{ border-color:rgb(204, 138, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 138,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9736, 0.4272, 0.3753 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, 102) }
```

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

```
.background{ background-color: rgb(204,  
138, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor