

Converting Colors

$Y_{xy}(32.8016, 0.4200, 0.3671)$

Have a look what the booklet for
Yxy(32.8016, 0.4200, 0.3671)
contains.

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Color

Yxy(32.7128, 0.4199, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	CE8B6E
RGB	206, 139, 110
RGB Percent	81%, 55%, 43%
CMY	0.1922, 0.4549, 0.5686
CMYK	0.00, 0.33, 0.47, 0.19
HSL	18°, 49%, 62%
HSV	18°, 47%, 81%
XYZ	37.4996, 32.7128, 19.0936
YIQ	155.7270, 49.2410, 5.1850

Conversions

Conversions Part 2

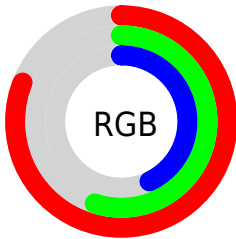
Format	Color
R _Y B	206, 152, 110
Decimal	13536110
CIE Lab	63.93, 22.20, 25.86
CIE LCh	64, 34.084, 49.353
Yxy	32.7128, 0.4199, 0.3663
Android (android.graphics.Color)	4291726190 (0xFFCE8B6E)
YUV	155.7270, -22.5434, 44.0894
Hunter-Lab	57.1951, 16.9409, 20.2436

Details

The Yxy color **32.7128, 0.4199, 0.3663** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **39.2155, 0.2435, 0.2868**, and the grayscale version is **33.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0086, 0.3898, 0.3616**, and **13.7168, 0.4554, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **28.4231, 0.4536, 0.3731**, and if you desaturate by 10%, it is **37.6575, 0.3900, 0.3584**.

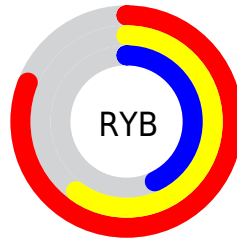
Distribution



Red (81%)

Green (55%)

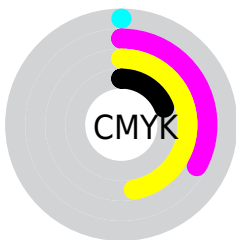
Blue (43%)



Red (81%)

Yellow (60%)

Blue (43%)

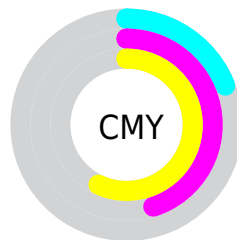


Cyan (0%)

Magenta (33%)

Yellow (47%)

Black (19%)



Cyan (19%)

Magenta (45%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7128, 0.4199, 0.3663 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 32.7128, 0.4199, 0.3663 by changing the saturation by 10% instead.

 32.7128, 0.4199,
0.3663


 32.7128, 0.4199,
0.3663

314.3536, 0.3629,
0.3491

 21.9065, 0.4350,
0.3698


 63.9269, 0.3985,
0.3605


 13.7882, 0.4549,
0.3737


 85.1035, 0.3906,
0.3582

 7.9735, 0.4817,
0.3775


 110.5056, 0.3841,
0.3562

 4.0780, 0.5195,
0.3798

 140.5177, 0.3785,
0.3544

 1.7173, 0.6048,
0.3952

175.5242, 0.3738,
0.3528

 0.4348, 0.6884,
0.3116

215.9094, 0.3697,

 0.0000, 0.0000,

0.3514

0.0000

262.0577, 0.3661,
0.3502

■ 32.7128, 0.4199,
0.3663

■ 32.7128, 0.4199,
0.3663

■ 28.4231, 0.4536,
0.3731

■ 37.6575, 0.3900,
0.3584

■ 24.7551, 0.4900,
0.3776

■ 43.2791, 0.3641,
0.3500

■ 21.6795, 0.5268,
0.3786


■ 49.6043, 0.3420,
0.3418

■ 19.1625, 0.5608,
0.3753

■ 56.6569, 0.3234,
0.3339


■ 17.1653, 0.5885,
0.3673

■ 64.4595, 0.3077,
0.3266

 16.5906, 0.5969,
0.3643

 73.0337, 0.2944,
0.3198

 82.4003, 0.2833,
0.3136

 91.2369, 0.2837,
0.3279

 91.8606, 0.2838,
0.3289

Harmonies

Analogous

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



32.7128, 0.4027, 0.3242



32.7128, 0.4199, 0.3663



32.7128, 0.4054, 0.4039

Triad

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



32.7128, 0.4199, 0.3663



32.7128, 0.2643, 0.3780



32.7128, 0.2560, 0.2445

Complementary

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



32.7128, 0.4199, 0.3663



39.2155, 0.2435, 0.2868

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.



32.7128, 0.2253, 0.2506



32.7128, 0.4199, 0.3663



32.7128, 0.2294, 0.3239

Square

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



32.7128, 0.4199, 0.3663



32.7128, 0.3140, 0.4176



32.7128, 0.2161, 0.2776



32.7128, 0.3040, 0.2574

Rectangle

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



32.7128, 0.4199, 0.3663



32.7128, 0.3811, 0.4209



32.7128, 0.2161, 0.2776



32.7128, 0.2436, 0.2443

Sweetspot

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



32.7144, 0.4199, 0.3663



83.0309, 0.3372, 0.3398



27.4580, 0.3500, 0.2465



17.2582, 0.3415, 0.3416



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.



32.7144, 0.4199, 0.3663



45.9896, 0.4540, 0.3731



49.7010, 0.3910, 0.4226



11.7570, 0.3283, 0.3361



10.3673, 0.5943, 0.3663



0.6691, 0.5552, 0.3974

Inverse Universe

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



39.2155, 0.2435, 0.2868



57.6960, 0.2308, 0.2758



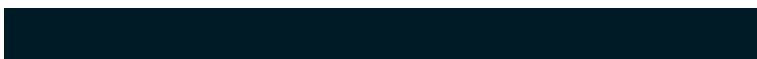
23.5279, 0.2302, 0.2128



12.1326, 0.2983, 0.3218



15.1610, 0.1967, 0.2282



0.9115, 0.2029, 0.2503

Previews

White Background



This preview shows how the Yxy color 32.7128, 0.4199, 0.3663 looks on a white background.

Color Contrast Check

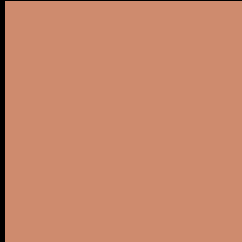
Large Text (above 18pt) WCAG AA × Fail

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 32.7128, 0.4199, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

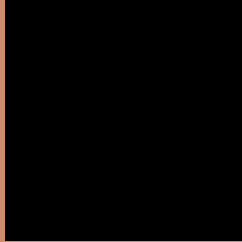
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7128, 0.4199, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 32.7128, 0.4199, 0.3663.



This preview shows how white text looks on a background with the Yxy color 32.7128, 0.4199, 0.3663.

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

32.7128, 0.4199, 0.3663

Protanopia

32.8340, 0.3605, 0.3861

Deuteranopia

32.8919, 0.3931, 0.3864



Tritanopia

32.6191, 0.3867, 0.3165

Trichromacy



Original Color

32.7128, 0.4199, 0.3663

Protanomaly

32.5336, 0.3826, 0.3790

Deuteranomaly

32.6924, 0.4032, 0.3779

Tritanomaly

32.6842, 0.3988, 0.3344

Monochromacy



Original Color

32.7128, 0.4199, 0.3663

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6754, 0.3487, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7128, 0.4199, 0.3663 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(206, 139, 110)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 110)  
}
```

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(206, 139, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 110) }
```

Border

The CSS property to change the border of an element to Yxy 32.7128, 0.4199, 0.3663 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(206, 139, 110) }
```

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

```
.border{ border-color:rgb(206, 139, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 110);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7128, 0.4199, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 110) }
```

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

```
.background{ background-color: rgb(206,  
139, 110) }
```

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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