

Converting Colors

$Y_{xy}(27.9620, 0.4483, 0.3738)$

Have a look what the booklet for
Yxy(27.9620, 0.4483, 0.3738)
contains.

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Color

Yxy(27.9620, 0.4483, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	CA7D5A
RGB	202, 125, 90
RGB Percent	79%, 49%, 35%
CMY	0.2079, 0.5098, 0.6470
CMYK	0.00, 0.38, 0.55, 0.21
HSL	19°, 51%, 57%
HSV	19°, 55%, 79%
XYZ	33.5350, 27.9620, 13.3078
YIQ	144.0330, 57.1270, 5.4390

Conversions

Conversions Part 2

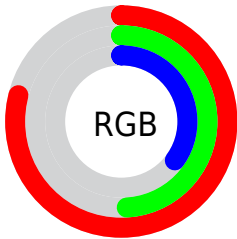
Format	Color
RYB	202, 141, 90
Decimal	13270362
CIELab	59.85, 26.35, 31.53
CIELCh	60, 41.092, 50.112
Yxy	27.9620, 0.4483, 0.3738
Android (android.graphics.Color)	4291460442 (0xFFCA7D5A)
YUV	144.0330, -26.6383, 50.8371
Hunter-Lab	52.8791, 20.6630, 22.0942

Details

The Yxy color **27.9620, 0.4483, 0.3738** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **34.0775, 0.2320, 0.2755**, and the grayscale version is **27.9977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0239, 0.4144, 0.3679**, and **11.1359, 0.4939, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **24.3907, 0.4839, 0.3789**, and if you desaturate by 10%, it is **32.1213, 0.4154, 0.3666**.

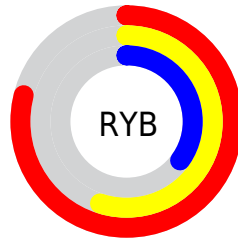
Distribution



Red (79%)

Green (49%)

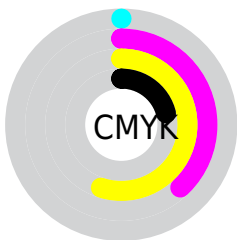
Blue (35%)



Red (79%)

Yellow (55%)

Blue (35%)

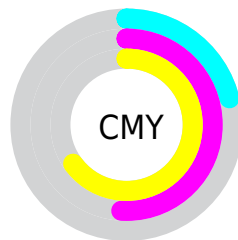


Cyan (0%)

Magenta (38%)

Yellow (55%)

Black (21%)



Cyan (21%)


Magenta (51%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9620, 0.4483, 0.3738 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 27.9620, 0.4483, 0.3738 by changing the saturation by 10% instead.


 27.9620, 0.4483,
0.3738


 27.9620, 0.4483,
0.3738


292.2853, 0.3749,
0.3538


 18.2970, 0.4680,
0.3772


 56.4238, 0.4205,
0.3675


 11.1634, 0.4937,
0.3803


 75.9893, 0.4103,
0.3648


 6.1769, 0.5281,
0.3817

 99.6239, 0.4019,
0.3624

 2.9529, 0.5889,
0.3864

 127.7118, 0.3948,
0.3603

 1.1072, 0.6424,
0.3576

 160.6376, 0.3887,
0.3584

 0.0000, 1.0000,
0.0000

198.7854, 0.3835,

 0.0000, 0.0000,

0.3567

0.0000

242.5399, 0.3789,
0.3552

■ 27.9620, 0.4483,
0.3738

■ 27.9620, 0.4483,
0.3738

■ 24.3907, 0.4839,
0.3789

■ 32.1213, 0.4154,
0.3666

■ 21.3750, 0.5203,
0.3806

■ 36.8902, 0.3863,
0.3583

■ 18.8858, 0.5544,
0.3780

■ 42.2946, 0.3611,
0.3497

■ 16.8884, 0.5828,
0.3706

■ 48.3574, 0.3396,
0.3412

■ 16.1229, 0.5941,
0.3665

■ 55.1004, 0.3214,
0.3332

■ 62.5442, 0.3060,
0.3256

■ 70.7087, 0.2931,
0.3187

■ 79.6129, 0.2821,
0.3124

■ 88.1442, 0.2812,
0.3237

Harmonies

Analogous

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



27.9620, 0.4283, 0.3225



27.9620, 0.4483, 0.3738



27.9620, 0.4273, 0.4216

Triad

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



27.9620, 0.4483, 0.3738



27.9620, 0.2496, 0.3904



27.9620, 0.2428, 0.2250

Complementary

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



27.9620, 0.4483, 0.3738



34.0775, 0.2320, 0.2755

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.



27.9620, 0.2053, 0.2307



27.9620, 0.4483, 0.3738



27.9620, 0.2081, 0.3191

Square

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



27.9620, 0.4483, 0.3738



27.9620, 0.3109, 0.4434



27.9620, 0.1934, 0.2618



27.9620, 0.3025, 0.2415

Rectangle

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



27.9620, 0.4483, 0.3738



27.9620, 0.3955, 0.4449



27.9620, 0.1934, 0.2618



27.9620, 0.2276, 0.2243

Sweetspot

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



27.9634, 0.4483, 0.3738



79.9520, 0.3432, 0.3427



22.7136, 0.3598, 0.2327



16.6548, 0.3474, 0.3444



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.



27.9634, 0.4483, 0.3738



39.9463, 0.4930, 0.3797



45.7735, 0.4062, 0.4381



11.7761, 0.3282, 0.3363



10.5174, 0.5917, 0.3684



0.6786, 0.5528, 0.3993

Inverse Universe

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



34.0775, 0.2320, 0.2755



51.1723, 0.2179, 0.2609



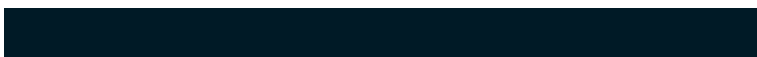
18.1193, 0.2133, 0.1866



12.1126, 0.2983, 0.3216



14.7693, 0.1957, 0.2246



0.8936, 0.2021, 0.2474

Previews

White Background



This preview shows how the Yxy color 27.9620, 0.4483, 0.3738 looks on a white background.

Color Contrast Check

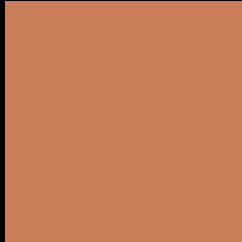
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9620, 0.4483, 0.3738 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 × Fail

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

Yxy 27.9620, 0.4483, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 27.9620, 0.4483, 0.3738.



This preview shows how white text looks on a background with the Yxy color 27.9620, 0.4483, 0.3738.

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

27.9620, 0.4483, 0.3738

Protanopia

28.3007, 0.3739, 0.4033

Deuteranopia

27.9790, 0.4106, 0.4033



Tritanopia

27.9971, 0.4068, 0.3177

Trichromacy



Original Color

27.9620, 0.4483, 0.3738

Protanomaly

27.8874, 0.3999, 0.3928

Deuteranomaly

27.7939, 0.4250, 0.3917

Tritanomaly

27.9942, 0.4225, 0.3384

Monochromacy



Original Color

27.9620, 0.4483, 0.3738

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3459, 0.3588, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9620, 0.4483, 0.3738 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(202, 125, 90)` looks like.

```
.text, #text, p{  
    color:rgb(202, 125, 90)  
}
```

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(202, 125, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 125, 90) }
```

Border

The CSS property to change the border of an element to Yxy 27.9620, 0.4483, 0.3738 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(202, 125, 90) }
```

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

```
.border{ border-color:rgb(202, 125, 90) }
```

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

Here you see how a box with a 4 pixel rgb(202, 125, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 125, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 125, 90);  
box-shadow:4px 4px 4px 4px rgb(202, 125,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9620, 0.4483, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 125, 90) }
```

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

```
.background{ background-color: rgb(202,  
125, 90) }
```

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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