

Converting Colors

$Y_{xy}(27.2751, 0.4698, 0.4051)$

Have a look what the booklet for
Yxy(27.2751, 0.4698, 0.4051)
contains.

Yxy(27.2976, 0.4698, 0.4049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2976, 0.4698, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	C67E40
RGB	198, 126, 64
RGB Percent	78%, 49%, 25%
CMY	0.2236, 0.5058, 0.7491
CMYK	0.00, 0.36, 0.68, 0.22
HSL	28°, 54%, 51%
HSV	28°, 68%, 78%
XYZ	31.6730, 27.2976, 8.4475
YIQ	140.4600, 62.8140, -4.0180

Conversions

Conversions Part 2

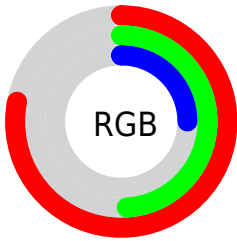
Format	Color
R _Y B	198, 179, 64
Decimal	13008448
CIE Lab	59.25, 22.30, 44.44
CIE LCh	59, 49.719, 63.353
Yxy	27.2976, 0.4698, 0.4049
Android (android.graphics.Color)	4291198528 (0xFFC67E40)
YUV	140.4600, -37.6948, 50.4626
Hunter-Lab	52.2471, 16.7771, 26.9868

Details

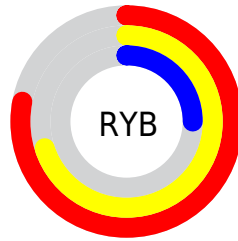
The Yxy color **27.2976, 0.4698, 0.4049** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **22.7649, 0.2098, 0.2264**, and the grayscale version is **26.5457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7151, 0.4364, 0.3953**, and **10.9149, 0.5157, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **24.5351, 0.4985, 0.4088**, and if you desaturate by 10%, it is **30.4320, 0.4407, 0.3971**.

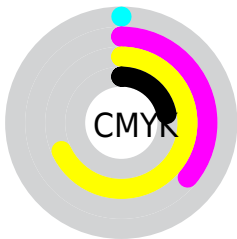
Distribution



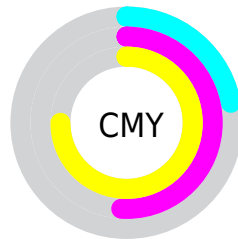
- Red (78%)
- Green (49%)
- Blue (25%)



- Red (78%)
- Yellow (70%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (68%)
- Black (22%)




- Cyan (22%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2976, 0.4698, 0.4049 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 27.2976, 0.4698, 0.4049 by changing the saturation by 10% instead.

 27.2976, 0.4698,
0.4049


 27.2976, 0.4698,
0.4049


289.0952, 0.3865,
0.3707


 17.7969, 0.4905,
0.4105


 55.3611, 0.4392,
0.3943

 10.8042, 0.5162,
0.4152


 74.6925, 0.4277,
0.3896


 5.9354, 0.5513,
0.4192

 98.0698, 0.4180,
0.3855

 2.8058, 0.5890,
0.4110

 125.8771, 0.4098,
0.3819

 1.0312, 0.6244,
0.3756

 158.4989, 0.4028,
0.3786

 0.0000, 1.0000,
0.0000

196.3195, 0.3966,

 0.0000, 0.0000,

0.3757

0.0000

239.7235, 0.3913,
0.3731

■ 27.2976, 0.4698,
0.4049

■ 27.2976, 0.4698,
0.4049

■ 24.5351, 0.4985,
0.4088

■ 30.4320, 0.4407,
0.3971

■ 22.1225, 0.5249,
0.4077

■ 33.9504, 0.4127,
0.3866

■ 20.0388, 0.5473,
0.4014

■ 37.8692, 0.3868,
0.3746

■ 19.5970, 0.5523,
0.3997

■ 42.2023, 0.3635,
0.3621

■ 46.9629, 0.3429,
0.3497

■ 52.1635, 0.3249,
0.3377

■ 57.8162, 0.3093,
0.3265

■ 63.9324, 0.2957,
0.3160

■ 70.5229, 0.2840,
0.3063

Harmonies

Analogous

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



27.2976, 0.4705, 0.3449



27.2976, 0.4698, 0.4049



27.2976, 0.4241, 0.4584

Triad

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



27.2976, 0.4698, 0.4049



27.2976, 0.2107, 0.3648



27.2976, 0.2569, 0.2120

Complementary

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



27.2976, 0.4698, 0.4049



22.7649, 0.2098, 0.2264

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.



27.2976, 0.2011, 0.2060



27.2976, 0.4698, 0.4049



27.2976, 0.1769, 0.2807

Square

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



27.2976, 0.4698, 0.4049



27.2976, 0.2740, 0.4486



27.2976, 0.1744, 0.2272



27.2976, 0.3367, 0.2410

Rectangle

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



27.2976, 0.4698, 0.4049



27.2976, 0.3779, 0.4798



27.2976, 0.1744, 0.2272



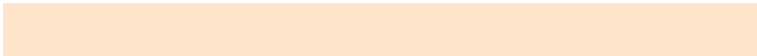
27.2976, 0.2352, 0.2073

Sweetspot

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



27.2990, 0.4698, 0.4049



80.8897, 0.3481, 0.3529



17.4956, 0.4071, 0.2399



16.7944, 0.3539, 0.3565



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.



27.2990, 0.4698, 0.4049



41.4397, 0.5109, 0.4090



49.7634, 0.4092, 0.4746



11.4325, 0.3278, 0.3397



12.9131, 0.5501, 0.4014



0.7560, 0.5160, 0.4285

Inverse Universe

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



22.7649, 0.2098, 0.2264



32.7925, 0.1939, 0.2002



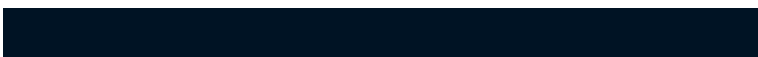
9.6328, 0.1848, 0.1224



11.2153, 0.2983, 0.3180



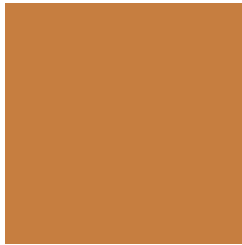
9.5756, 0.1811, 0.1718



0.5973, 0.1910, 0.2075

Previews

White Background



This preview shows how the Yxy color 27.2976, 0.4698, 0.4049 looks on a white background.

Color Contrast Check

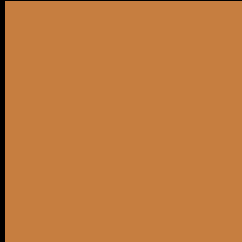
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2976, 0.4698, 0.4049 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 27.2976, 0.4698, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 27.2976, 0.4698, 0.4049.



This preview shows how white text looks on a background with the Yxy color 27.2976, 0.4698, 0.4049.

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

27.2976, 0.4698, 0.4049

Protanopia

27.3437, 0.4036, 0.4415

Deuteranopia

27.2924, 0.4389, 0.4312



Tritanopia

27.3087, 0.4052, 0.3175

Trichromacy



Original Color

27.2976, 0.4698, 0.4049

Protanomaly

27.1808, 0.4282, 0.4281

Deuteranomaly

27.1646, 0.4512, 0.4208

Tritanomaly

27.3565, 0.4317, 0.3515

Monochromacy



Original Color

27.2976, 0.4698, 0.4049

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.0749, 0.3685, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2976, 0.4698, 0.4049 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(198, 126, 64)` looks like.

```
.text, #text, p{  
    color:rgb(198, 126, 64)  
}
```

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(198, 126, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 126, 64) }
```

Border

The CSS property to change the border of an element to Yxy 27.2976, 0.4698, 0.4049 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(198, 126, 64) }
```

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

```
.border{ border-color:rgb(198, 126, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 126, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 126, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 126, 64);  
box-shadow:4px 4px 4px 4px rgb(198, 126,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2976, 0.4698, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 126, 64) }
```

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

```
.background{ background-color: rgb(198,  
126, 64) }
```

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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