

Converting Colors

$Y_{xy}(29.7973, 0.4566, 0.4018)$

Have a look what the booklet for
Yxy(29.7973, 0.4566, 0.4018)
contains.

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Color

Yxy(29.6870, 0.4566, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	C9854A
RGB	201, 133, 74
RGB Percent	79%, 52%, 29%
CMY	0.2118, 0.4784, 0.7098
CMYK	0.00, 0.34, 0.63, 0.21
HSL	28°, 54%, 54%
HSV	28°, 63%, 79%
XYZ	33.7107, 29.6870, 10.4322
YIQ	146.6060, 59.4670, -3.9330

Conversions

Conversions Part 2

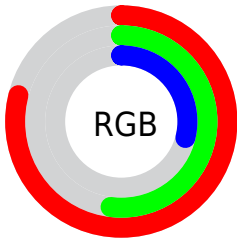
Format	Color
RYB	201, 184, 74
Decimal	13206858
CIELab	61.38, 20.38, 41.90
CIElCh	61, 46.595, 64.065
Yxy	29.6870, 0.4566, 0.4021
Android (android.graphics.Color)	4291396938 (0xFFC9854A)
YUV	146.6060, -35.7948, 47.7035
Hunter-Lab	54.4858, 15.0891, 26.7880

Details

The Yxy color **29.6870, 0.4566, 0.4021** 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 **25.0173, 0.2155, 0.2340**, and the grayscale version is **29.1395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8330, 0.4241, 0.3929**, and **12.1007, 0.4994, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **26.6620, 0.4857, 0.4080**, and if you desaturate by 10%, it is **33.1034, 0.4279, 0.3929**.

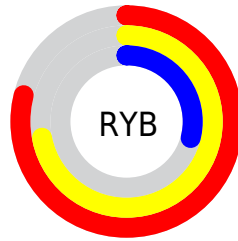
Distribution



Red (79%)

Green (52%)

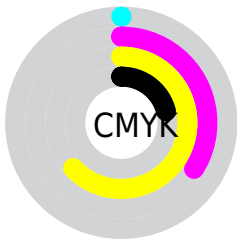
Blue (29%)



Red (79%)

Yellow (72%)

Blue (29%)

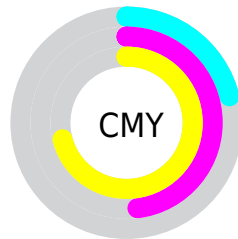


Cyan (0%)

Magenta (34%)

Yellow (63%)

Black (21%)



Cyan (21%)


Magenta (48%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6870, 0.4566, 0.4021 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 29.6870, 0.4566, 0.4021 by changing the saturation by 10% instead.

 29.6870, 0.4566,
0.4021


 29.6870, 0.4566,
0.4021


300.4428, 0.3808,
0.3685


 19.6011, 0.4756,
0.4083


 59.1668, 0.4287,
0.3913

 12.1054, 0.4993,
0.4143


 79.3296, 0.4183,
0.3867


 6.8155, 0.5291,
0.4185


 103.6201, 0.4095,
0.3827

 3.3470, 0.5760,
0.4240

 132.4228, 0.4020,
0.3792

 1.3155, 0.6052,
0.3948

 166.1220, 0.3956,
0.3761

 0.1531, 0.8077,
0.1923

205.1021, 0.3900,

 0.0000, 0.0000,

0.3733

0.0000

249.7476, 0.3851,
0.3708

■ 29.6870, 0.4566,
0.4021

■ 29.6870, 0.4566,
0.4021

■ 26.6620, 0.4857,
0.4080

■ 33.1034, 0.4279,
0.3929

■ 24.0064, 0.5133,
0.4092

■ 36.9229, 0.4008,
0.3816

■ 21.7018, 0.5375,
0.4051

■ 41.1619, 0.3760,
0.3692

■ 20.3139, 0.5520,
0.3999

■ 45.8345, 0.3539,
0.3566

■ 50.9539, 0.3345,
0.3443

■ 56.5329, 0.3176,
0.3326

■ 62.5834, 0.3029,
0.3216

■ 69.1171, 0.2902,
0.3115

■ 76.1451, 0.2792,
0.3021

Harmonies

Analogous

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



29.6870, 0.4573, 0.3464



29.6870, 0.4566, 0.4021



29.6870, 0.4148, 0.4497

Triad

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



29.6870, 0.4566, 0.4021



29.6870, 0.2181, 0.3600



29.6870, 0.2633, 0.2210

Complementary

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



29.6870, 0.4566, 0.4021



25.0173, 0.2155, 0.2340

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.



29.6870, 0.2106, 0.2151



29.6870, 0.4566, 0.4021



29.6870, 0.1868, 0.2842

Square

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



29.6870, 0.4566, 0.4021



29.6870, 0.2765, 0.4352



29.6870, 0.1848, 0.2349



29.6870, 0.3369, 0.2485

Rectangle

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



29.6870, 0.4566, 0.4021



29.6870, 0.3723, 0.4670



29.6870, 0.1848, 0.2349



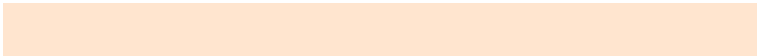
29.6870, 0.2429, 0.2164

Sweetspot

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



29.6885, 0.4566, 0.4021



81.8151, 0.3460, 0.3518



19.3242, 0.3981, 0.2438



16.9799, 0.3518, 0.3554



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.



29.6885, 0.4566, 0.4021



43.8102, 0.4967, 0.4091



51.7845, 0.4045, 0.4680



11.4356, 0.3278, 0.3398



12.9524, 0.5496, 0.4018



0.7579, 0.5156, 0.4288

Inverse Universe

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



25.0173, 0.2155, 0.2340



35.1137, 0.1988, 0.2088



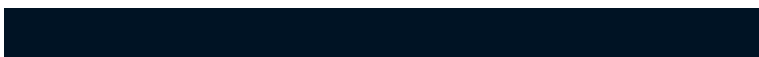
11.4620, 0.1928, 0.1359



11.2121, 0.2983, 0.3180



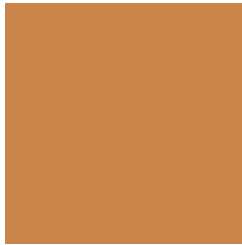
9.5289, 0.1809, 0.1712



0.5951, 0.1908, 0.2070

Previews

White Background



This preview shows how the Yxy color 29.6870, 0.4566, 0.4021 looks on a white background.

Color Contrast Check

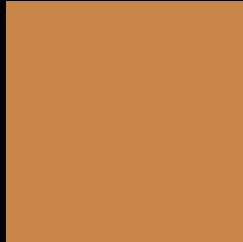
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6870, 0.4566, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

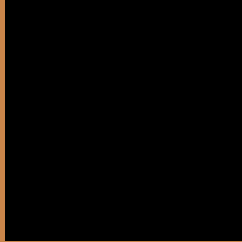
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6870, 0.4566, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 29.6870, 0.4566, 0.4021.



This preview shows how white text looks on a background with the Yxy color 29.6870, 0.4566, 0.4021.

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

29.6870, 0.4566, 0.4021

Protanopia

29.9519, 0.3972, 0.4331

Deuteranopia

29.5849, 0.4314, 0.4223



Tritanopia

29.6501, 0.3965, 0.3176

Trichromacy



Original Color

29.6870, 0.4566, 0.4021

Protanomaly

29.5279, 0.4185, 0.4218

Deuteranomaly

29.6051, 0.4410, 0.4141

Tritanomaly

29.7301, 0.4207, 0.3500

Monochromacy



Original Color

29.6870, 0.4566, 0.4021

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9176, 0.3637, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6870, 0.4566, 0.4021 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(201, 133, 74)` looks like.

```
.text, #text, p{  
    color:rgb(201, 133, 74)  
}
```

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(201, 133, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 133, 74) }
```

Border

The CSS property to change the border of an element to Yxy 29.6870, 0.4566, 0.4021 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(201, 133, 74) }
```

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

```
.border{ border-color:rgb(201, 133, 74) }
```

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

Here you see how a box with a 4 pixel rgb(201, 133, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 133, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 133, 74);  
box-shadow:4px 4px 4px 4px rgb(201, 133,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6870, 0.4566, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 133, 74) }
```

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

```
.background{ background-color: rgb(201,  
133, 74) }
```

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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