

Converting Colors

$Y_{xy}(28.5249, 0.4921, 0.4158)$

Have a look what the booklet for
Yxy(28.5249, 0.4921, 0.4158)
contains.

Yxy(28.6414, 0.4916, 0.4164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6414, 0.4916, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	CF7F2E
RGB	207, 127, 46
RGB Percent	81%, 50%, 18%
CMY	0.1882, 0.5019, 0.8197
CMYK	0.00, 0.39, 0.78, 0.19
HSL	30°, 64%, 50%
HSV	30°, 78%, 81%
XYZ	33.8139, 28.6414, 6.3281
YIQ	141.6860, 73.6810, -8.2310

Conversions

Conversions Part 2

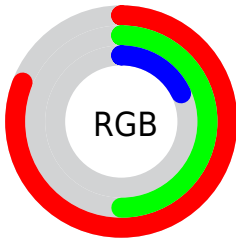
Format	Color
R _Y B	205, 207, 46
Decimal	13598510
CIE Lab	60.46, 24.70, 54.36
CIE LCh	60, 59.713, 65.564
Yxy	28.6414, 0.4916, 0.4164
Android (android.graphics.Color)	4291788590 (0xFFCF7F2E)
YUV	141.6860, -47.1732, 57.2804
Hunter-Lab	53.5177, 19.1252, 30.4518

Details

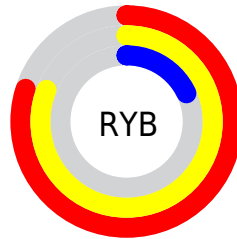
The Yxy color **28.6414, 0.4916, 0.4164** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **19.9980, 0.1952, 0.1967**, and the grayscale version is **27.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7656, 0.4483, 0.4111**, and **11.5108, 0.5313, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **25.9950, 0.5159, 0.4160**, and if you desaturate by 10%, it is **31.6405, 0.4649, 0.4117**.

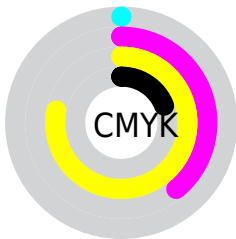
Distribution



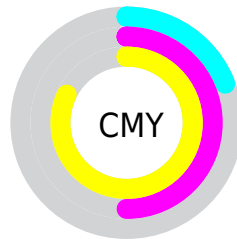
- Red (81%)
- Green (50%)
- Blue (18%)



- Red (80%)
- Yellow (81%)
- Blue (18%)



- Cyan (0%)
- Magenta (39%)
- Yellow (78%)
- Black (19%)



- Cyan (19%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6414, 0.4916, 0.4164 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 28.6414, 0.4916, 0.4164 by changing the saturation by 10% instead.


 28.6414, 0.4916,
0.4164


 28.6414, 0.4916,
0.4164


295.5192, 0.3997,
0.3799


 18.8097, 0.5126,
0.4208


 57.5069, 0.4590,
0.4061


 11.5329, 0.5373,
0.4230


 77.3094, 0.4464,
0.4013


 6.4265, 0.5740,
0.4260


 101.2044, 0.4356,
0.3968

 3.1061, 0.5956,
0.4044

 129.5761, 0.4264,
0.3927

 1.1874, 0.6312,
0.3688

 162.8091, 0.4184,
0.3891

 0.0513, 0.9270,
0.0730

 201.2877, 0.4113,

 0.0000, 0.0000,

0.3857

0.0000

245.3963, 0.4052,
0.3827

■ 28.6414, 0.4916,
0.4164

■ 28.6414, 0.4916,
0.4164

■ 25.9950, 0.5159,
0.4160

■ 31.6405, 0.4649,
0.4117

■ 23.6745, 0.5365,
0.4103

■ 35.0056, 0.4374,
0.4031

■ 23.1998, 0.5409,
0.4087

■ 38.7541, 0.4108,
0.3917

■ 42.9008, 0.3859,
0.3787

■ 47.4592, 0.3632,
0.3652

■ 52.4424, 0.3429,
0.3517

■ 57.8624, 0.3251,
0.3386

■ 63.7310, 0.3094,
0.3264

■ 70.0593, 0.2958,
0.3149

Harmonies

Analogous

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



28.6414, 0.5001, 0.3483



28.6414, 0.4916, 0.4164



28.6414, 0.4330, 0.4804

Triad

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



28.6414, 0.4916, 0.4164



28.6414, 0.1895, 0.3620



28.6414, 0.2530, 0.1971

Complementary

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



28.6414, 0.4916, 0.4164



19.9980, 0.1952, 0.1967

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.



28.6414, 0.1880, 0.1877



28.6414, 0.4916, 0.4164



28.6414, 0.1556, 0.2642

Square

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



28.6414, 0.4916, 0.4164



28.6414, 0.2589, 0.4678



28.6414, 0.1561, 0.2075



28.6414, 0.3474, 0.2312

Rectangle

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



28.6414, 0.4916, 0.4164



28.6414, 0.3780, 0.5077



28.6414, 0.1561, 0.2075



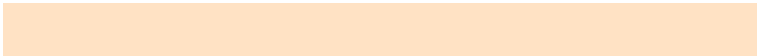
28.6414, 0.2276, 0.1910

Sweetspot

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



28.6429, 0.4916, 0.4164



79.5807, 0.3537, 0.3590



16.7361, 0.4436, 0.2434



16.4211, 0.3613, 0.3640



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.



28.6429, 0.4916, 0.4164



39.2493, 0.5294, 0.4129



58.0868, 0.4118, 0.4928



12.7773, 0.3278, 0.3407



14.8068, 0.5388, 0.4104



0.9866, 0.5111, 0.4324

Inverse Universe

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



19.9980, 0.1952, 0.1967



24.8591, 0.1805, 0.1658



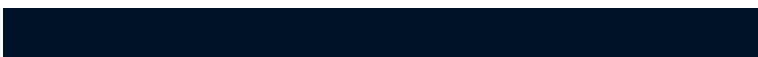
7.0372, 0.1669, 0.0879



12.3739, 0.2982, 0.3170



9.1179, 0.1772, 0.1578



0.6685, 0.1865, 0.1913

Previews

White Background



This preview shows how the Yxy color 28.6414, 0.4916, 0.4164 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 28.6414, 0.4916, 0.4164 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 28.6414, 0.4916, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 28.6414, 0.4916, 0.4164.



This preview shows how white text looks on a background with the Yxy color 28.6414, 0.4916, 0.4164.

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

28.6414, 0.4916, 0.4164

Protanopia

28.9990, 0.4202, 0.4626

Deuteranopia

28.8228, 0.4565, 0.4473



Tritanopia

28.6010, 0.4154, 0.3180

Trichromacy



Original Color

28.6414, 0.4916, 0.4164

Protanomaly

28.6812, 0.4468, 0.4456

Deuteranomaly

28.7088, 0.4690, 0.4366

Tritanomaly

28.5025, 0.4501, 0.3589

Monochromacy



Original Color

28.6414, 0.4916, 0.4164

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0598, 0.3791, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6414, 0.4916, 0.4164 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(207, 127, 46)` looks like.

```
.text, #text, p{  
    color:rgb(207, 127, 46)  
}
```

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(207, 127, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 127, 46) }
```

Border

The CSS property to change the border of an element to Yxy 28.6414, 0.4916, 0.4164 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(207, 127, 46) }
```

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

```
.border{ border-color:rgb(207, 127, 46) }
```

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

Here you see how a box with a 4 pixel rgb(207, 127, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 127, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 127, 46);  
box-shadow:4px 4px 4px 4px rgb(207, 127,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6414, 0.4916, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 127, 46) }
```

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

```
.background{ background-color: rgb(207,  
127, 46) }
```

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