

Converting Colors

$Y_{xy}(26.3224, 0.4896, 0.4156)$

Have a look what the booklet for
Yxy(26.3224, 0.4896, 0.4156)
contains.

Yxy(26.2584, 0.4900, 0.4149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.2584, 0.4900, 0.4149)

Conversions

Conversions Part 1

Format	Color
Hex	C77A2E
RGB	199, 122, 46
RGB Percent	78%, 48%, 18%
CMY	0.2195, 0.5216, 0.8196
CMYK	0.00, 0.39, 0.77, 0.22
HSL	30°, 62%, 48%
HSV	30°, 77%, 78%
XYZ	31.0114, 26.2584, 6.0187
YIQ	136.3590, 70.2880, -7.3120

Conversions

Conversions Part 2

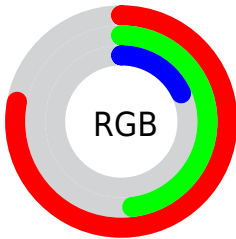
Format	Color
RYB	199, 197, 46
Decimal	13072942
CIELab	58.28, 24.04, 51.89
CIELCh	58, 57.182, 65.143
Yxy	26.2584, 0.4900, 0.4149
Android (android.graphics.Color)	4291263022 (0xFFC77A2E)
YUV	136.3590, -44.5470, 54.9362
Hunter-Lab	51.2430, 18.3500, 28.9062

Details

The Yxy color **26.2584, 0.4900, 0.4149** 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 **18.8816, 0.1968, 0.2006**, and the grayscale version is **24.9137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7830, 0.4521, 0.4063**, and **10.3405, 0.5313, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **23.8027, 0.5150, 0.4150**, and if you desaturate by 10%, it is **29.0433, 0.4628, 0.4099**.

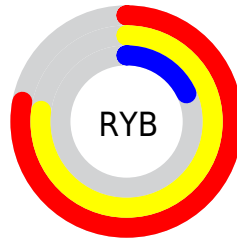
Distribution



Red (78%)

Green (48%)

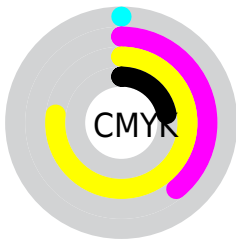
Blue (18%)



Red (78%)

Yellow (77%)

Blue (18%)

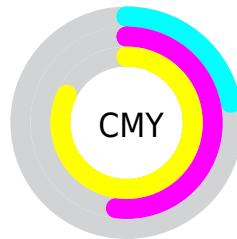


Cyan (0%)

Magenta (39%)

Yellow (77%)

Black (22%)



Cyan (22%)

Magenta (52%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2584, 0.4900, 0.4149 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 26.2584, 0.4900, 0.4149 by changing the saturation by 10% instead.


 26.2584, 0.4900,
0.4149


 26.2584, 0.4900,
0.4149


284.0482, 0.3974,
0.3782


 17.0171, 0.5118,
0.4195


 53.6915, 0.4567,
0.4044


 10.2466, 0.5376,
0.4218


 72.6521, 0.4439,
0.3995


 5.5628, 0.5757,
0.4243

 95.6212, 0.4331,
0.3950

 2.5811, 0.5990,
0.4010

 122.9832, 0.4238,
0.3909

 0.9172, 0.6386,
0.3614

 155.1225, 0.4158,
0.3872

 0.0000, 1.0000,
0.0000

 192.4235, 0.4089,

 0.0000, 0.0000,

0.3839

0.0000

235.2706, 0.4028,
0.3809

■ 26.2584, 0.4900,
0.4149

■ 26.2584, 0.4900,
0.4149

■ 23.8027, 0.5150,
0.4150

■ 29.0433, 0.4628,
0.4099

■ 21.6525, 0.5362,
0.4096

■ 32.1694, 0.4352,
0.4011

■ 21.0375, 0.5425,
0.4075

■ 35.6529, 0.4085,
0.3896

■ 39.5072, 0.3837,
0.3768

■ 43.7449, 0.3612,
0.3634

■ 48.3780, 0.3412,
0.3501

■ 53.4177, 0.3235,
0.3374

■ 58.8748, 0.3081,
0.3253

■ 64.7596, 0.2947,
0.3142

Harmonies

Analogous

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



26.2584, 0.4972, 0.3476



26.2584, 0.4900, 0.4149



26.2584, 0.4329, 0.4780

Triad

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



26.2584, 0.4900, 0.4149



26.2584, 0.1918, 0.3632



26.2584, 0.2527, 0.1982

Complementary

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



26.2584, 0.4900, 0.4149



18.8816, 0.1968, 0.2006

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.



26.2584, 0.1888, 0.1894



26.2584, 0.4900, 0.4149



26.2584, 0.1577, 0.2663

Square

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



26.2584, 0.4900, 0.4149



26.2584, 0.2610, 0.4667



26.2584, 0.1576, 0.2095



26.2584, 0.3456, 0.2317

Rectangle

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



26.2584, 0.4900, 0.4149



26.2584, 0.3788, 0.5049



26.2584, 0.1576, 0.2095



26.2584, 0.2277, 0.1924

Sweetspot

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



26.2598, 0.4900, 0.4149



79.3684, 0.3538, 0.3587



15.5824, 0.4361, 0.2406



16.3699, 0.3615, 0.3636



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.



26.2598, 0.4900, 0.4149



39.1734, 0.5291, 0.4121



52.0385, 0.4132, 0.4897



11.4923, 0.3277, 0.3405



13.6985, 0.5403, 0.4092



0.7935, 0.5086, 0.4344

Inverse Universe

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



18.8816, 0.1968, 0.2006



25.6952, 0.1818, 0.1698



6.8652, 0.1689, 0.0926



11.1551, 0.2983, 0.3172



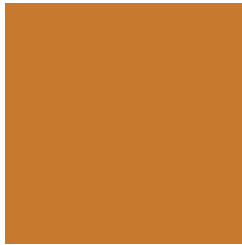
8.7103, 0.1779, 0.1605



0.5573, 0.1884, 0.1982

Previews

White Background



This preview shows how the Yxy color 26.2584, 0.4900, 0.4149 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 26.2584, 0.4900, 0.4149 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 26.2584, 0.4900, 0.4149

Background



This preview shows how black text looks on a background with the Yxy color 26.2584, 0.4900, 0.4149.



This preview shows how white text looks on a background with the Yxy color 26.2584, 0.4900, 0.4149.

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

26.2584, 0.4900, 0.4149

Protanopia

26.4569, 0.4182, 0.4605

Deuteranopia

26.1723, 0.4549, 0.4457



Tritanopia

26.1612, 0.4155, 0.3176

Trichromacy



Original Color

26.2584, 0.4900, 0.4149

Protanomaly

26.0426, 0.4446, 0.4437

Deuteranomaly

26.0653, 0.4679, 0.4347

Tritanomaly

26.1054, 0.4489, 0.3575

Monochromacy



Original Color

26.2584, 0.4900, 0.4149

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5828, 0.3784, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2584, 0.4900, 0.4149 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(199, 122, 46)` looks like.

```
.text, #text, p{  
    color:rgb(199, 122, 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(199, 122, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 122, 46) }
```

Border

The CSS property to change the border of an element to Yxy 26.2584, 0.4900, 0.4149 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(199, 122, 46) }
```

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

```
.border{ border-color:rgb(199, 122, 46) }
```

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

Here you see how a box with a 4 pixel rgb(199, 122, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 122, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 122, 46);  
box-shadow:4px 4px 4px 4px rgb(199, 122,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2584, 0.4900, 0.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 122, 46) }
```

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

```
.background{ background-color: rgb(199,  
122, 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