

Converting Colors

$Y_{xy}(30.4025, 0.4905, 0.4326)$

Have a look what the booklet for
Yxy(30.4025, 0.4905, 0.4326)
contains.

Yxy(30.4199, 0.4906, 0.4324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4199, 0.4906, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	CF8620
RGB	207, 134, 32
RGB Percent	81%, 53%, 13%
CMY	0.1883, 0.4745, 0.8746
CMYK	0.00, 0.35, 0.85, 0.19
HSL	35°, 73%, 47%
HSV	35°, 85%, 81%
XYZ	34.5143, 30.4199, 5.4170
YIQ	144.1990, 76.2500, -16.2460

Conversions

Conversions Part 2

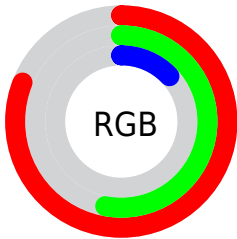
Format	Color
RYB	157, 207, 32
Decimal	13600288
CIELab	62.01, 20.45, 60.95
CIELCh	62, 64.288, 71.456
Yxy	30.4199, 0.4906, 0.4324
Android (android.graphics.Color)	4291790368 (0xFFCF8620)
YUV	144.1990, -55.3141, 55.0765
Hunter-Lab	55.1542, 15.1816, 32.7847

Details

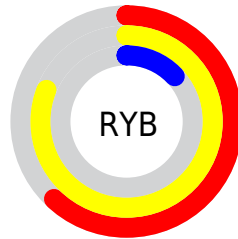
The Yxy color **30.4199, 0.4906, 0.4324** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.9028, 0.1821, 0.1606**, and the grayscale version is **28.1788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4888, 0.4494, 0.4254**, and **12.5437, 0.5177, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **28.0527, 0.5086, 0.4301**, and if you desaturate by 10%, it is **33.0556, 0.4693, 0.4293**.

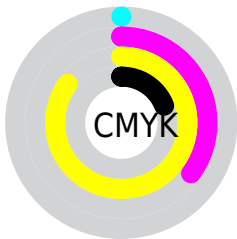
Distribution



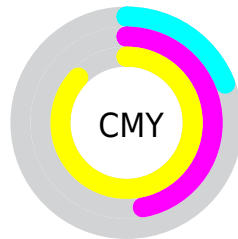
- Red (81%)
- Green (53%)
- Blue (13%)



- Red (62%)
- Yellow (81%)
- Blue (13%)



- Cyan (0%)
- Magenta (35%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4199, 0.4906, 0.4324 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 30.4199, 0.4906, 0.4324 by changing the saturation by 10% instead.

 30.4199, 0.4906,
0.4324


 30.4199, 0.4906,
0.4324


303.8568, 0.4022,
0.3892


 20.1575, 0.5094,
0.4378


 60.3256, 0.4602,
0.4202


 12.5096, 0.5306,
0.4410


 80.7377, 0.4481,
0.4145


 7.0917, 0.5577,
0.4423


 105.3018, 0.4377,
0.4092

 3.5195, 0.5749,
0.4251

 134.4024, 0.4287,
0.4044

 1.4086, 0.6031,
0.3969

 168.4238, 0.4207,
0.4000

 0.2231, 0.7612,
0.2388

 207.7504, 0.4138,

 0.0000, 0.0000,

0.3960

0.0000

252.7666, 0.4076,
0.3925

■ 30.4199, 0.4906,
0.4324

■ 30.4199, 0.4906,
0.4324

■ 28.0527, 0.5086,
0.4301

■ 33.0556, 0.4693,
0.4293

■ 26.8607, 0.5175,
0.4273

■ 35.9709, 0.4460,
0.4215

■ 39.1812, 0.4219,
0.4101

■ 42.6988, 0.3983,
0.3963

■ 46.5351, 0.3759,
0.3812

■ 50.7006, 0.3552,
0.3656

■ 55.2052, 0.3365,
0.3502

■ 60.0582, 0.3197,
0.3355

■ 65.2687, 0.3048,
0.3215

Harmonies

Analogous

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



30.4199, 0.5131, 0.3613



30.4199, 0.4906, 0.4324



30.4199, 0.4211, 0.4976

Triad

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



30.4199, 0.4906, 0.4324



30.4199, 0.1735, 0.3402



30.4199, 0.2671, 0.1966

Complementary

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



30.4199, 0.4906, 0.4324



14.9028, 0.1821, 0.1606

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.



30.4199, 0.1929, 0.1815



30.4199, 0.4906, 0.4324



30.4199, 0.1464, 0.2450

Square

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



30.4199, 0.4906, 0.4324



30.4199, 0.2387, 0.4575



30.4199, 0.1535, 0.1950



30.4199, 0.3702, 0.2363

Rectangle

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



30.4199, 0.4906, 0.4324



30.4199, 0.3612, 0.5209



30.4199, 0.1535, 0.1950



30.4199, 0.2385, 0.1886

Sweetspot

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



30.4215, 0.4906, 0.4324



80.7506, 0.3567, 0.3668



15.3735, 0.4832, 0.2567



16.7657, 0.3639, 0.3723



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.



30.4215, 0.4906, 0.4324



42.6534, 0.5189, 0.4262



56.3660, 0.4054, 0.5060



12.9369, 0.3276, 0.3425



17.1171, 0.5157, 0.4287



1.1119, 0.4934, 0.4464

Inverse Universe

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



14.9028, 0.1821, 0.1606



17.5944, 0.1689, 0.1279



6.0635, 0.1633, 0.0774



12.2160, 0.2982, 0.3151



7.2402, 0.1702, 0.1325



0.5600, 0.1803, 0.1690

Previews

White Background



This preview shows how the Yxy color 30.4199, 0.4906, 0.4324 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4199, 0.4906, 0.4324 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 ✓ Pass

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

Yxy 30.4199, 0.4906, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 30.4199, 0.4906, 0.4324.



This preview shows how white text looks on a background with the Yxy color 30.4199, 0.4906, 0.4324.

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

30.4199, 0.4906, 0.4324

Protanopia

30.6956, 0.4297, 0.4754

Deuteranopia

30.6712, 0.4649, 0.4562



Tritanopia

30.3855, 0.4060, 0.3180

Trichromacy



Original Color

30.4199, 0.4906, 0.4324

Protanomaly

30.4394, 0.4520, 0.4592

Deuteranomaly

30.5806, 0.4738, 0.4477

Tritanomaly

30.0030, 0.4466, 0.3675

Monochromacy



Original Color

30.4199, 0.4906, 0.4324

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.9509, 0.3831, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4199, 0.4906, 0.4324 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, 134, 32)` looks like.

```
.text, #text, p{  
    color:rgb(207, 134, 32)  
}
```

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, 134, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 134, 32) }
```

Border

The CSS property to change the border of an element to Yxy 30.4199, 0.4906, 0.4324 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, 134, 32) }
```

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

```
.border{ border-color:rgb(207, 134, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 134, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 134, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 134, 32);  
box-shadow:4px 4px 4px 4px rgb(207, 134,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4199, 0.4906, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 134, 32) }
```

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

```
.background{ background-color: rgb(207,  
134, 32) }
```

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