

Converting Colors

$Y_{xy}(30.7946, 0.4541, 0.4304)$

Have a look what the booklet for
Yxy(30.7946, 0.4541, 0.4304)
contains.

Yxy(30.8246, 0.4544, 0.4305)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8246, 0.4544, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	C28D3A
RGB	194, 141, 58
RGB Percent	76%, 55%, 23%
CMY	0.2392, 0.4470, 0.7724
CMYK	0.00, 0.27, 0.70, 0.24
HSL	37°, 54%, 49%
HSV	37°, 70%, 76%
XYZ	32.5359, 30.8246, 8.2414
YIQ	147.3850, 58.2310, -14.5770

Conversions

Conversions Part 2

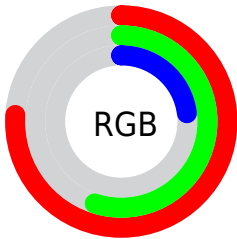
Format	Color
RYB	145, 194, 58
Decimal	12750138
CIELab	62.36, 12.01, 50.50
CIELCh	62, 51.910, 76.622
Yxy	30.8246, 0.4544, 0.4305
Android (android.graphics.Color)	4290940218 (0xFFC28D3A)
YUV	147.3850, -44.0668, 40.8814
Hunter-Lab	55.5199, 7.4451, 30.0629

Details

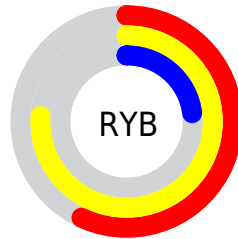
The Yxy color **30.8246, 0.4544, 0.4305** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.1668, 0.1983, 0.1867**, and the grayscale version is **29.5154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7585, 0.4293, 0.4146**, and **12.7164, 0.4904, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **28.5103, 0.4754, 0.4365**, and if you desaturate by 10%, it is **33.3685, 0.4318, 0.4203**.

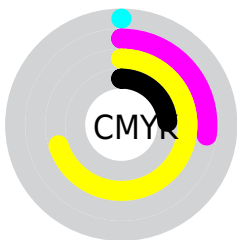
Distribution



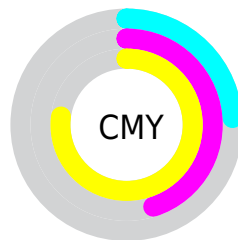
- Red (76%)
- Green (55%)
- Blue (23%)



- Red (57%)
- Yellow (76%)
- Blue (23%)



- Cyan (0%)
- Magenta (27%)
- Yellow (70%)
- Black (24%)





- Cyan (24%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8246, 0.4544, 0.4305 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 30.8246, 0.4544, 0.4305 by changing the saturation by 10% instead.


 30.8246, 0.4544,
0.4305


 30.8246, 0.4544,
0.4305


305.7294, 0.3822,
0.3828

 20.4653, 0.4710,
0.4396


 60.9638, 0.4288,
0.4148


 12.7337, 0.4907,
0.4489


 81.5125, 0.4189,
0.4084

 7.2455, 0.5169,
0.4597


 106.2265, 0.4104,
0.4027

 3.6161, 0.5398,
0.4602

 135.4902, 0.4032,
0.3977

 1.4612, 0.5573,
0.4427

 169.6879, 0.3969,
0.3933

 0.2612, 0.6746,
0.3254

 209.2041, 0.3914,

 0.0000, 0.0000,

0.3894

0.0000

254.4232, 0.3865,
0.3859

■ 30.8246, 0.4544,
0.4305

■ 30.8246, 0.4544,
0.4305

■ 28.5103, 0.4754,
0.4365

■ 33.3685, 0.4318,
0.4203

■ 26.4093, 0.4938,
0.4374

■ 36.1478, 0.4089,
0.4071

■ 24.5183, 0.5092,
0.4339

■ 39.1736, 0.3866,
0.3920

■ 42.4544, 0.3656,
0.3760

■ 45.9984, 0.3462,
0.3599

■ 49.8133, 0.3286,
0.3441

■ 53.9061, 0.3128,
0.3291

■ 58.2839, 0.2988,
0.3150

■ 62.9533, 0.2864,
0.3020

Harmonies

Analogous

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



30.8246, 0.4771, 0.3715



30.8246, 0.4544, 0.4305



30.8246, 0.3945, 0.4750

Triad

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



30.8246, 0.4544, 0.4305



30.8246, 0.1915, 0.3249



30.8246, 0.2899, 0.2220

Complementary

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



30.8246, 0.4544, 0.4305



16.1668, 0.1983, 0.1867

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.



30.8246, 0.2221, 0.2053



30.8246, 0.4544, 0.4305



30.8246, 0.1718, 0.2525

Square

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



30.8246, 0.4544, 0.4305



30.8246, 0.2428, 0.4153



30.8246, 0.1824, 0.2139



30.8246, 0.3750, 0.2598

Rectangle

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



30.8246, 0.4544, 0.4305



30.8246, 0.3437, 0.4825



30.8246, 0.1824, 0.2139



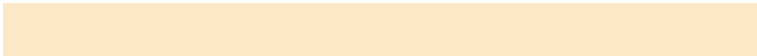
30.8246, 0.2645, 0.2139

Sweetspot

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



30.8261, 0.4544, 0.4305



82.5187, 0.3485, 0.3619



15.6764, 0.4492, 0.2637



17.6675, 0.3538, 0.3664



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.



30.8261, 0.4544, 0.4305



49.6145, 0.4855, 0.4376



48.6367, 0.3938, 0.4915



11.0779, 0.3274, 0.3430



16.2846, 0.5077, 0.4351



0.8343, 0.4830, 0.4547

Inverse Universe

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



16.1668, 0.1983, 0.1867



21.6892, 0.1796, 0.1521



8.2870, 0.1876, 0.1119



10.3774, 0.2984, 0.3146



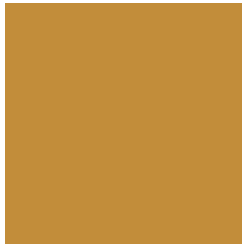
6.0722, 0.1681, 0.1251



0.3964, 0.1808, 0.1709

Previews

White Background



This preview shows how the Yxy color 30.8246, 0.4544, 0.4305 looks on a white background.

Color Contrast Check

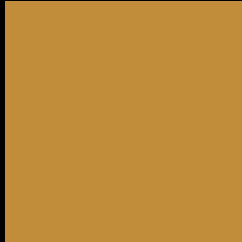
Large Text (above 18pt) WCAG AA × Fail

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 30.8246, 0.4544, 0.4305 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 30.8246, 0.4544, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 30.8246, 0.4544, 0.4305.



This preview shows how white text looks on a background with the Yxy color 30.8246, 0.4544, 0.4305.

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

30.8246, 0.4544, 0.4305

Protanopia

30.7950, 0.4142, 0.4547

Deuteranopia

30.9333, 0.4457, 0.4383



Tritanopia

30.7349, 0.3799, 0.3160

Trichromacy



Original Color

30.8246, 0.4544, 0.4305

Protanomaly

30.5408, 0.4286, 0.4456

Deuteranomaly

30.8875, 0.4488, 0.4360

Tritanomaly

30.4814, 0.4126, 0.3612

Monochromacy



Original Color

30.8246, 0.4544, 0.4305

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3811, 0.3644, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8246, 0.4544, 0.4305 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(194, 141, 58)` looks like.

```
.text, #text, p{  
    color:rgb(194, 141, 58)  
}
```

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(194, 141, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 141, 58) }
```

Border

The CSS property to change the border of an element to Yxy 30.8246, 0.4544, 0.4305 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(194, 141, 58) }
```

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

```
.border{ border-color:rgb(194, 141, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 141, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 141, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 141, 58); box-shadow:4px 4px 4px 4px rgb(194, 141, 58) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8246, 0.4544, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 141, 58) }
```

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

```
.background{ background-color: rgb(194,  
141, 58) }
```

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