

Converting Colors

$Y_{xy}(32.8515, 0.4549, 0.4332)$

Have a look what the booklet for
Yxy(32.8515, 0.4549, 0.4332)
contains.

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Color

Yxy(33.0054, 0.4543, 0.4334)

Conversions

Conversions Part 1

Format	Color
Hex	C7923A
RGB	199, 146, 58
RGB Percent	78%, 57%, 23%
CMY	0.2196, 0.4274, 0.7725
CMYK	0.00, 0.27, 0.71, 0.22
HSL	37°, 56%, 50%
HSV	37°, 71%, 78%
XYZ	34.5970, 33.0054, 8.5522
YIQ	151.8150, 59.8360, -16.1320

Conversions

Conversions Part 2

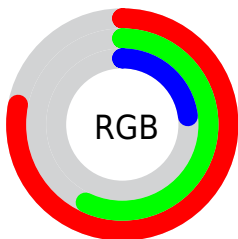
Format	Color
RYB	143, 199, 58
Decimal	13079098
CIELab	64.17, 11.46, 52.56
CIELCh	64, 53.800, 77.699
Yxy	33.0054, 0.4543, 0.4334
Android (android.graphics.Color)	4291269178 (0xFFC7923A)
YUV	151.8150, -46.2508, 41.3812
Hunter-Lab	57.4503, 6.9560, 31.3892

Details

The Yxy color **33.0054, 0.4543, 0.4334** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.3967, 0.1962, 0.1814**, and the grayscale version is **31.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6943, 0.4256, 0.4189**, and **14.0285, 0.4876, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **30.6104, 0.4745, 0.4392**, and if you desaturate by 10%, it is **35.6328, 0.4324, 0.4233**.

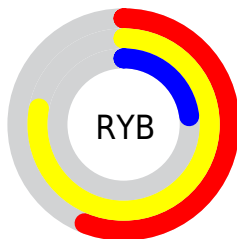
Distribution



Red (78%)

Green (57%)

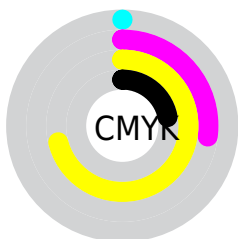
Blue (23%)



Red (56%)

Yellow (78%)

Blue (23%)

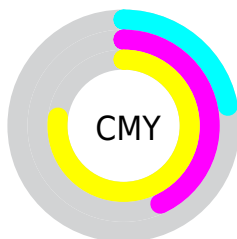


Cyan (0%)

Magenta (27%)

Yellow (71%)

Black (22%)



Cyan (22%)

Magenta (43%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0054, 0.4543, 0.4334 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 33.0054, 0.4543, 0.4334 by changing the saturation by 10% instead.


 33.0054, 0.4543,
0.4334


 33.0054, 0.4543,
0.4334


315.6741, 0.3833,
0.3849


 22.1306, 0.4703,
0.4426


 64.3840, 0.4294,
0.4176


 13.9529, 0.4890,
0.4519

 85.6565, 0.4196,
0.4110

 8.0879, 0.5127,
0.4620


 111.1637, 0.4113,
0.4053

 4.1512, 0.5353,
0.4647

 141.2900, 0.4041,
0.4002

 1.7585, 0.5505,
0.4495

 176.4198, 0.3979,
0.3957

 0.4611, 0.6090,
0.3910

 216.9375, 0.3924,

 0.0000, 0.0000,

0.3917

0.0000

263.2275, 0.3876,
0.3881

■ 33.0054, 0.4543,
0.4334

■ 33.0054, 0.4543,
0.4334

■ 30.6104, 0.4745,
0.4392

■ 35.6328, 0.4324,
0.4233

■ 28.4306, 0.4920,
0.4400

■ 38.4987, 0.4099,
0.4100

■ 26.6063, 0.5055,
0.4368

■ 41.6144, 0.3878,
0.3947

■ 44.9889, 0.3669,
0.3784

■ 48.6306, 0.3475,
0.3619

■ 52.5474, 0.3299,
0.3457

■ 56.7466, 0.3140,
0.3303

■ 61.2354, 0.2998,
0.3158

■ 66.0206, 0.2872,
0.3023

Harmonies

Analogous

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



33.0054, 0.4792, 0.3739



33.0054, 0.4543, 0.4334



33.0054, 0.3926, 0.4778

Triad

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



33.0054, 0.4543, 0.4334



33.0054, 0.1888, 0.3215



33.0054, 0.2925, 0.2219

Complementary

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



33.0054, 0.4543, 0.4334



16.3967, 0.1962, 0.1814

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.



33.0054, 0.2230, 0.2042



33.0054, 0.4543, 0.4334



33.0054, 0.1701, 0.2495

Square

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



33.0054, 0.4543, 0.4334



33.0054, 0.2395, 0.4134



33.0054, 0.1819, 0.2118



33.0054, 0.3789, 0.2607

Rectangle

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



33.0054, 0.4543, 0.4334



33.0054, 0.3410, 0.4843



33.0054, 0.1819, 0.2118



33.0054, 0.2665, 0.2134

Sweetspot

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



33.0070, 0.4543, 0.4334



84.8399, 0.3484, 0.3626



16.3418, 0.4562, 0.2663



17.7679, 0.3537, 0.3672



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.



33.0070, 0.4543, 0.4334



51.4875, 0.4844, 0.4403



51.1673, 0.3923, 0.4943



11.7210, 0.3274, 0.3434



17.2806, 0.5040, 0.4380



0.9542, 0.4819, 0.4556

Inverse Universe

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



16.3967, 0.1962, 0.1814



21.0056, 0.1775, 0.1460



8.6260, 0.1877, 0.1103



10.9299, 0.2983, 0.3142



6.0267, 0.1670, 0.1210



0.4243, 0.1788, 0.1638

Previews

White Background



This preview shows how the Yxy color 33.0054, 0.4543, 0.4334 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 33.0054, 0.4543, 0.4334 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 33.0054, 0.4543, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 33.0054, 0.4543, 0.4334.



This preview shows how white text looks on a background with the Yxy color 33.0054, 0.4543, 0.4334.

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

33.0054, 0.4543, 0.4334

Protanopia

33.1125, 0.4163, 0.4566

Deuteranopia

32.9446, 0.4478, 0.4394



Tritanopia

32.9770, 0.3778, 0.3163

Trichromacy



Original Color

33.0054, 0.4543, 0.4334

Protanomaly

32.8500, 0.4303, 0.4477

Deuteranomaly

32.8986, 0.4509, 0.4371

Tritanomaly

32.6905, 0.4106, 0.3618

Monochromacy



Original Color

33.0054, 0.4543, 0.4334

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.5557, 0.3648, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0054, 0.4543, 0.4334 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, 146, 58)` looks like.

```
.text, #text, p{  
    color:rgb(199, 146, 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(199, 146, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 146, 58) }
```

Border

The CSS property to change the border of an element to Yxy 33.0054, 0.4543, 0.4334 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, 146, 58) }
```

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

```
.border{ border-color:rgb(199, 146, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 146, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 146, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 146, 58);  
box-shadow:4px 4px 4px 4px rgb(199, 146,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0054, 0.4543, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 146, 58) }
```

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

```
.background{ background-color: rgb(199,  
146, 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](#).

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