

Converting Colors

$Y_{xy}(35.4653, 0.4444, 0.4353)$

Have a look what the booklet for
Yxy(35.4653, 0.4444, 0.4353)
contains.

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Color

Yxy(35.4320, 0.4442, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	C89940
RGB	200, 153, 64
RGB Percent	78%, 60%, 25%
CMY	0.2156, 0.4000, 0.7489
CMYK	0.00, 0.24, 0.68, 0.22
HSL	39°, 55%, 52%
HSV	39°, 68%, 78%
XYZ	36.1398, 35.4320, 9.7875
YIQ	156.9070, 56.5810, -17.7150

Conversions

Conversions Part 2

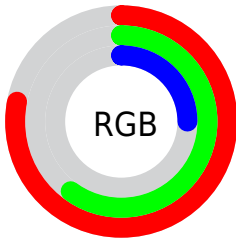
Format	Color
R _Y B	136, 200, 64
Decimal	13146432
CIE Lab	66.08, 8.42, 51.93
CIE LCh	66, 52.610, 80.788
Yxy	35.4320, 0.4442, 0.4355
Android (android.graphics.Color)	4291336512 (0xFFC89940)
YUV	156.9070, -45.8032, 37.7926
Hunter-Lab	59.5248, 4.2060, 31.9184

Details

The Yxy color **35.4320, 0.4442, 0.4355** 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 **16.6391, 0.1987, 0.1813**, and the grayscale version is **33.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1466, 0.4174, 0.4201**, and **15.2667, 0.4760, 0.4559** is the 20% darker color. If you saturate the color by 10%, you get **33.0468, 0.4637, 0.4432**, and if you desaturate by 10%, it is **38.0335, 0.4232, 0.4238**.

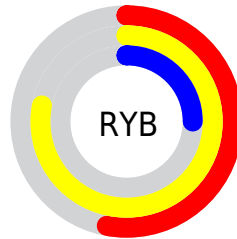
Distribution



Red (78%)

Green (60%)

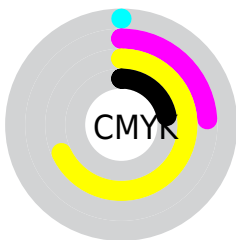
Blue (25%)



Red (53%)

Yellow (78%)

Blue (25%)

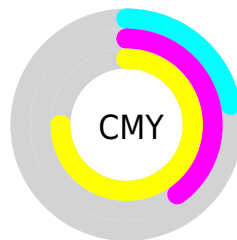


Cyan (0%)

Magenta (24%)

Yellow (68%)

Black (22%)



Cyan (22%)


Magenta (40%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4320, 0.4442, 0.4355 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 35.4320, 0.4442, 0.4355 by changing the saturation by 10% instead.


 35.4320, 0.4442,
0.4355


 35.4320, 0.4442,
0.4355


326.4711, 0.3790,
0.3854


 23.9958, 0.4588,
0.4455


 68.1545, 0.4214,
0.4188

 15.3305, 0.4759,
0.4563


 90.2096, 0.4125,
0.4121


 9.0517, 0.4958,
0.4671

 116.5731, 0.4049,
0.4061

 4.7749, 0.5213,
0.4787

 147.6295, 0.3982,
0.4009

 2.1158, 0.5316,
0.4684

 183.7630, 0.3925,
0.3964

 0.6735, 0.5567,
0.4433

225.3582, 0.3874,

 0.0000, 0.0000,

0.3923

0.0000

272.7994, 0.3829,
0.3887

■ 35.4320, 0.4442,
0.4355

■ 35.4320, 0.4442,
0.4355

■ 33.0468, 0.4637,
0.4432

■ 38.0335, 0.4232,
0.4238

■ 30.8613, 0.4806,
0.4461

■ 40.8562, 0.4017,
0.4092

■ 28.8613, 0.4944,
0.4441

■ 43.9106, 0.3807,
0.3929

■ 28.4775, 0.4971,
0.4435

■ 47.2053, 0.3607,
0.3757

■ 50.7478, 0.3421,
0.3585

■ 54.5454, 0.3251,
0.3418

■ 58.6051, 0.3098,
0.3259

■ 62.9333, 0.2961,
0.3110

■ 67.5363, 0.2838,
0.2971

Harmonies

Analogous

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



35.4320, 0.4719, 0.3792



35.4320, 0.4442, 0.4355



35.4320, 0.3828, 0.4739

Triad

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



35.4320, 0.4442, 0.4355



35.4320, 0.1904, 0.3139



35.4320, 0.3017, 0.2289

Complementary

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



35.4320, 0.4442, 0.4355



16.6391, 0.1987, 0.1813

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.



35.4320, 0.2323, 0.2095



35.4320, 0.4442, 0.4355



35.4320, 0.1752, 0.2479

Square

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



35.4320, 0.4442, 0.4355



35.4320, 0.2365, 0.4006



35.4320, 0.1895, 0.2143



35.4320, 0.3845, 0.2682

Rectangle

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



35.4320, 0.4442, 0.4355



35.4320, 0.3326, 0.4754



35.4320, 0.1895, 0.2143



35.4320, 0.2761, 0.2200

Sweetspot

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



35.4337, 0.4442, 0.4355



86.4010, 0.3462, 0.3624



17.1122, 0.4556, 0.2730



18.1158, 0.3515, 0.3673



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.



35.4337, 0.4442, 0.4355



55.2025, 0.4728, 0.4454



51.3439, 0.3866, 0.4923



11.7757, 0.3273, 0.3441



18.2763, 0.4957, 0.4446



0.9968, 0.4759, 0.4603

Inverse Universe

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



16.6391, 0.1987, 0.1813



20.8010, 0.1786, 0.1447



9.7443, 0.1960, 0.1197



10.8772, 0.2983, 0.3135



5.5212, 0.1647, 0.1127



0.3969, 0.1767, 0.1560

Previews

White Background



This preview shows how the Yxy color 35.4320, 0.4442, 0.4355 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 35.4320, 0.4442, 0.4355 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 35.4320, 0.4442, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 35.4320, 0.4442, 0.4355.



This preview shows how white text looks on a background with the Yxy color 35.4320, 0.4442, 0.4355.

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

35.4320, 0.4442, 0.4355

Protanopia

35.4668, 0.4139, 0.4542

Deuteranopia

35.4320, 0.4442, 0.4355



Tritanopia

35.5785, 0.3687, 0.3152

Trichromacy



Original Color

35.4320, 0.4442, 0.4355

Protanomaly

35.4002, 0.4255, 0.4473

Deuteranomaly

35.4320, 0.4442, 0.4355

Tritanomaly

35.1099, 0.4001, 0.3616

Monochromacy



Original Color

35.4320, 0.4442, 0.4355

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0912, 0.3618, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4320, 0.4442, 0.4355 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(200, 153, 64)` looks like.

```
.text, #text, p{  
    color:rgb(200, 153, 64)  
}
```

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(200, 153, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 64) }
```

Border

The CSS property to change the border of an element to Yxy 35.4320, 0.4442, 0.4355 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(200, 153, 64) }
```

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

```
.border{ border-color:rgb(200, 153, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 153, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 64);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4320, 0.4442, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 64) }
```

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

```
.background{ background-color: rgb(200,  
153, 64) }
```

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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