

Converting Colors

Yxy(35.6178, 0.4304, 0.4451)

Have a look what the booklet for
Yxy(35.6178, 0.4304, 0.4451)
contains.

Yxy(35.5605, 0.4312, 0.4449)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5605, 0.4312, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	BF9D40
RGB	191, 157, 64
RGB Percent	75%, 62%, 25%
CMY	0.2511, 0.3843, 0.7489
CMYK	0.00, 0.18, 0.66, 0.25
HSL	44°, 50%, 50%
HSV	44°, 66%, 75%
XYZ	34.4655, 35.5605, 9.9032
YIQ	156.5640, 50.1170, -21.7150

Conversions

Conversions Part 2

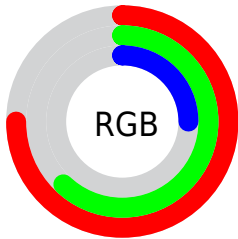
Format	Color
RYB	110, 191, 64
Decimal	12557632
CIELab	66.18, 2.31, 51.75
CIELCh	66, 51.803, 87.441
Yxy	35.5605, 0.4312, 0.4449
Android (android.graphics.Color)	4290747712 (0xFFBF9D40)
YUV	156.5640, -45.6341, 30.2004
Hunter-Lab	59.6326, -1.1906, 31.8965

Details

The Yxy color **35.5605, 0.4312, 0.4449** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.5888, 0.1973, 0.1687**, and the grayscale version is **33.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1735, 0.4110, 0.4254**, and **15.3874, 0.4588, 0.4702** is the 20% darker color. If you saturate the color by 10%, you get **33.6871, 0.4477, 0.4547**, and if you desaturate by 10%, it is **37.5841, 0.4130, 0.4313**.

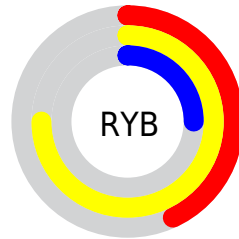
Distribution



Red (75%)

Green (62%)

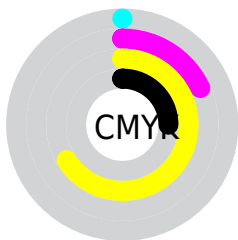
Blue (25%)



Red (43%)

Yellow (75%)

Blue (25%)

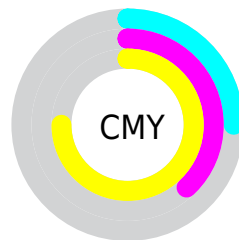


Cyan (0%)

Magenta (18%)

Yellow (66%)

Black (25%)



Cyan (25%)


Magenta (38%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5605, 0.4312, 0.4449 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 35.5605, 0.4312, 0.4449 by changing the saturation by 10% instead.


 35.5605, 0.4312,
0.4449


 35.5605, 0.4312,
0.4449


327.0355, 0.3730,
0.3888

 24.0950, 0.4440,
0.4569


 68.3532, 0.4110,
0.4257


 15.4041, 0.4587,
0.4704


 90.4491, 0.4031,
0.4181


 9.1035, 0.4754,
0.4850


 116.8572, 0.3962,
0.4115

 4.8087, 0.4968,
0.5032

 147.9620, 0.3903,
0.4057

 2.1355, 0.4997,
0.5003

 184.1479, 0.3851,
0.4007

 0.6845, 0.5081,
0.4919

225.7991, 0.3806,

 0.0000, 0.0000,

0.3962

0.0000

273.3002, 0.3766,
0.3923

■ 35.5605, 0.4312,
0.4449

■ 35.5605, 0.4312,
0.4449

■ 33.6871, 0.4477,
0.4547

■ 37.5841, 0.4130,
0.4313

■ 31.9500, 0.4616,
0.4600

■ 39.7605, 0.3940,
0.4149

■ 30.3395, 0.4726,
0.4604

■ 42.0982, 0.3749,
0.3968

■ 29.7934, 0.4762,
0.4601

■ 44.6037, 0.3563,
0.3779

■ 47.2828, 0.3388,
0.3589

■ 50.1409, 0.3225,
0.3405

■ 53.1833, 0.3076,
0.3229

■ 56.4148, 0.2941,
0.3064

■ 59.8401, 0.2819,
0.2911

Harmonies

Analogous

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



35.5605, 0.4672, 0.3916



35.5605, 0.4312, 0.4449



35.5605, 0.3660, 0.4747

Triad

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



35.5605, 0.4312, 0.4449



35.5605, 0.1862, 0.2973



35.5605, 0.3197, 0.2373

Complementary

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



35.5605, 0.4312, 0.4449



13.5888, 0.1973, 0.1687

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.



35.5605, 0.2467, 0.2134



35.5605, 0.4312, 0.4449



35.5605, 0.1778, 0.2392

Square

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



35.5605, 0.4312, 0.4449



35.5605, 0.2252, 0.3805



35.5605, 0.1982, 0.2126



35.5605, 0.4004, 0.2798

Rectangle

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



35.5605, 0.4312, 0.4449



35.5605, 0.3156, 0.4674



35.5605, 0.1982, 0.2126



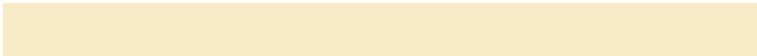
35.5605, 0.2933, 0.2270

Sweetspot

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



35.5622, 0.4312, 0.4449



82.8190, 0.3454, 0.3662



15.6652, 0.4656, 0.2848



17.8869, 0.3504, 0.3716



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.5622, 0.4312, 0.4449



58.8248, 0.4547, 0.4578



45.4605, 0.3777, 0.4941



10.6768, 0.3271, 0.3457



19.7224, 0.4753, 0.4608



0.8748, 0.4591, 0.4737

Inverse Universe

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



13.5888, 0.1973, 0.1687



16.9876, 0.1760, 0.1304



9.6837, 0.2064, 0.1281



9.6296, 0.2984, 0.3117



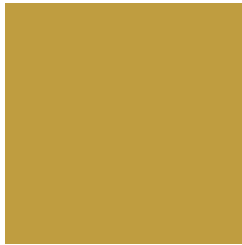
4.1498, 0.1595, 0.0943



0.2746, 0.1733, 0.1438

Previews

White Background



This preview shows how the Yxy color 35.5605, 0.4312, 0.4449 looks on a white background.

Color Contrast Check

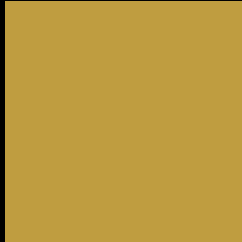
Large Text (above 18pt) WCAG AA × Fail

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 35.5605, 0.4312, 0.4449 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 35.5605, 0.4312, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 35.5605, 0.4312, 0.4449.



This preview shows how white text looks on a background with the Yxy color 35.5605, 0.4312, 0.4449.

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

35.5605, 0.4312, 0.4449

Protanopia

35.4551, 0.4146, 0.4552

Deuteranopia

35.4435, 0.4435, 0.4347



Tritanopia

35.3764, 0.3542, 0.3134

Trichromacy



Original Color

35.5605, 0.4312, 0.4449

Protanomaly

35.5905, 0.4196, 0.4518

Deuteranomaly

35.3632, 0.4395, 0.4374

Tritanomaly

35.1906, 0.3864, 0.3654

Monochromacy



Original Color

35.5605, 0.4312, 0.4449

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.9790, 0.3571, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5605, 0.4312, 0.4449 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(191, 157, 64)` looks like.

```
.text, #text, p{  
    color:rgb(191, 157, 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(191, 157, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 157, 64) }
```

Border

The CSS property to change the border of an element to Yxy 35.5605, 0.4312, 0.4449 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(191, 157, 64) }
```

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

```
.border{ border-color:rgb(191, 157, 64) }
```

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

Here you see how a box with a 4 pixel rgb(191, 157, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 157, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 157, 64);  
box-shadow:4px 4px 4px 4px rgb(191, 157,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5605, 0.4312, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 157, 64) }
```

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

```
.background{ background-color: rgb(191,  
157, 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](#).

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