

Converting Colors

$Y_{xy}(35.4383, 0.4516, 0.4943)$

Have a look what the booklet for
Yxy(35.4383, 0.4516, 0.4943)
contains.

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Color

Yxy(35.4559, 0.4453, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	B9A000
RGB	185, 160, 0
RGB Percent	73%, 63%, 0%
CMY	0.2745, 0.3725, 0.9996
CMYK	0.00, 0.14, 1.00, 0.27
HSL	52°, 100%, 36%
HSV	52°, 100%, 73%
XYZ	32.5805, 35.4559, 5.1289
YIQ	149.2350, 66.2600, -44.4600

Conversions

Conversions Part 2

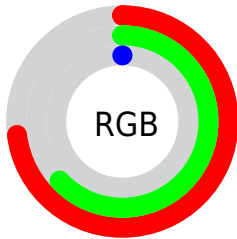
Format	Color
R _Y B	29, 185, 0
Decimal	12165120
CIE Lab	66.10, -3.96, 69.33
CIE LCh	66, 69.438, 93.271
Yxy	35.4559, 0.4453, 0.4846
Android (android.graphics.Color)	4290355200 (0xFFB9A000)
YUV	149.2350, -73.5729, 31.3659
Hunter-Lab	59.5449, -6.5356, 36.5745

Details

The Yxy color **35.4559, 0.4453, 0.4846** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.2036, 0.1530, 0.0706**, and the grayscale version is **30.4604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0136, 0.4271, 0.4613**, and **15.4493, 0.4458, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **35.4528, 0.4453, 0.4846**, and if you desaturate by 10%, it is **36.3794, 0.4395, 0.4826**.

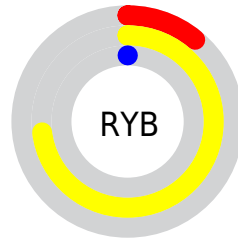
Distribution



Red (73%)

Green (63%)

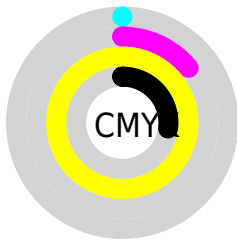
Blue (0%)



Red (11%)

Yellow (73%)

Blue (0%)

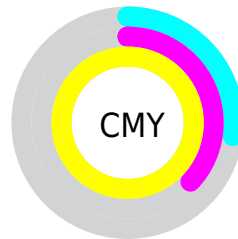


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4559, 0.4453, 0.4846 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 35.4559, 0.4453, 0.4846 by changing the saturation by 10% instead.

 35.4559, 0.4453,
0.4846


 35.4559, 0.4453,
0.4846


326.5761, 0.3856,
0.4123


 24.0143, 0.4553,
0.4978


 68.1914, 0.4268,
0.4613


 15.3442, 0.4649,
0.5115


 90.2541, 0.4187,
0.4516

 9.0613, 0.4740,
0.5260


 116.6260, 0.4116,
0.4429

 4.7812, 0.4708,
0.5292

 147.6913, 0.4052,
0.4353

 2.1195, 0.4656,
0.5344

 183.8346, 0.3995,
0.4285

 0.6755, 0.4467,
0.5533

 225.4403, 0.3943,

 0.0000, 0.0000,

0.4225

0.0000

272.8926, 0.3898,
0.4171

35.4559, 0.4453,
0.4846

35.4559, 0.4453,
0.4846

35.4528, 0.4453,
0.4846

36.3794, 0.4395,
0.4826

37.3618, 0.4314,
0.4768

38.4208, 0.4206,
0.4667

39.5642, 0.4074,
0.4524

40.7989, 0.3925,
0.4349

■ 42.1307, 0.3764,
0.4149

■ 43.5650, 0.3599,
0.3936

■ 45.1067, 0.3435,
0.3717

■ 46.7602, 0.3276,
0.3499

Harmonies

Analogous

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



35.4559, 0.5066, 0.4135



35.4559, 0.4453, 0.4846



35.4559, 0.3557, 0.5266

Triad

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



35.4559, 0.4453, 0.4846



35.4559, 0.1469, 0.2645



35.4559, 0.3411, 0.2211

Complementary

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



35.4559, 0.4453, 0.4846



4.2036, 0.1530, 0.0706

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.



35.4559, 0.2417, 0.1871



35.4559, 0.4453, 0.4846



35.4559, 0.1453, 0.2017

Square

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



35.4559, 0.4453, 0.4846



35.4559, 0.1846, 0.3736



35.4559, 0.1760, 0.1791



35.4559, 0.4484, 0.2758

Rectangle

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



35.4559, 0.4453, 0.4846



35.4559, 0.2913, 0.5120



35.4559, 0.1760, 0.1791



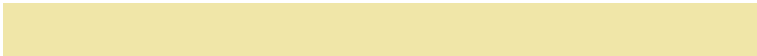
35.4559, 0.3051, 0.2071

Sweetspot

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



35.4576, 0.4453, 0.4846



77.8717, 0.3608, 0.3948



10.4006, 0.6193, 0.3186



16.5520, 0.3677, 0.4038



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.4576, 0.4453, 0.4846



63.2353, 0.4458, 0.4842



38.7158, 0.3591, 0.5531



10.2906, 0.3267, 0.3486



24.2154, 0.4449, 0.4849



0.9115, 0.4374, 0.4909

Inverse Universe

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



4.2036, 0.1530, 0.0706



7.3291, 0.1525, 0.0689



4.6229, 0.1769, 0.0748



8.9101, 0.2984, 0.3086



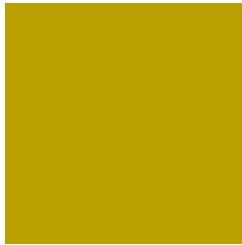
2.9228, 0.1533, 0.0719



0.1664, 0.1634, 0.1082

Previews

White Background



This preview shows how the Yxy color 35.4559, 0.4453, 0.4846 looks on a white background.

Color Contrast Check

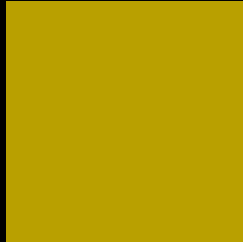
Large Text (above 18pt) WCAG AA × Fail

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 35.4559, 0.4453, 0.4846 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 35.4559, 0.4453, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 35.4559, 0.4453, 0.4846.

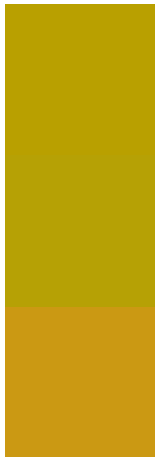


This preview shows how white text looks on a background with the Yxy color 35.4559, 0.4453, 0.4846.

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

35.4559, 0.4453, 0.4846

Protanopia

35.4458, 0.4404, 0.4869

Deuteranopia

35.5260, 0.4679, 0.4600



Tritanopia

35.5023, 0.3485, 0.3145

Trichromacy



Original Color

35.4559, 0.4453, 0.4846

Protanomaly

35.5636, 0.4417, 0.4865

Deuteranomaly

35.5392, 0.4590, 0.4699

Tritanomaly

34.8181, 0.4030, 0.3978

Monochromacy



Original Color

35.4559, 0.4453, 0.4846

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2901, 0.3780, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4559, 0.4453, 0.4846 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(185, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 160, 0)  
}
```

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(185, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 160, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.4559, 0.4453, 0.4846 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(185, 160, 0) }
```

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

```
.border{ border-color:rgb(185, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 160,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4559, 0.4453, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 160, 0) }
```

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

```
.background{ background-color: rgb(185,  
160, 0) }
```

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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