

Converting Colors

$Y_{xy}(35.4720, 0.4486, 0.4579)$

Have a look what the booklet for
Yxy(35.4720, 0.4486, 0.4579)
contains.

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Color

Yxy(35.5462, 0.4488, 0.4582)

Conversions

Conversions Part 1

Format	Color
Hex	C39C2A
RGB	195, 156, 42
RGB Percent	76%, 61%, 16%
CMY	0.2352, 0.3883, 0.8354
CMYK	0.00, 0.20, 0.78, 0.24
HSL	45°, 65%, 46%
HSV	45°, 78%, 76%
XYZ	34.8170, 35.5462, 7.2147
YIQ	154.6650, 59.8380, -27.1860

Conversions

Conversions Part 2

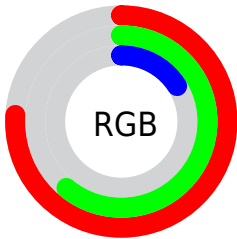
Format	Color
R _Y B	94, 195, 42
Decimal	12819498
CIE Lab	66.17, 3.57, 60.74
CIE LCh	66, 60.849, 86.638
Yxy	35.5462, 0.4488, 0.4582
Android (android.graphics.Color)	4291009578 (0xFFC39C2A)
YUV	154.6650, -55.5438, 35.3738
Hunter-Lab	59.6206, -0.0965, 34.5597

Details

The Yxy color **35.5462, 0.4488, 0.4582** 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 **10.3206, 0.1786, 0.1341**, and the grayscale version is **32.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2163, 0.4269, 0.4383**, and **15.4215, 0.4663, 0.4679** is the 20% darker color. If you saturate the color by 10%, you get **33.8054, 0.4617, 0.4627**, and if you desaturate by 10%, it is **37.4267, 0.4333, 0.4491**.

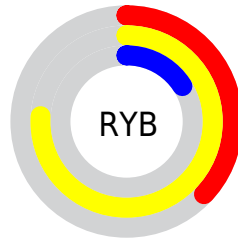
Distribution



Red (76%)

Green (61%)

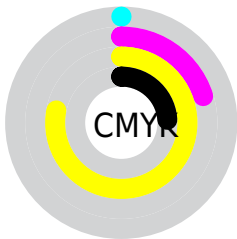
Blue (16%)



Red (37%)

Yellow (76%)

Blue (16%)

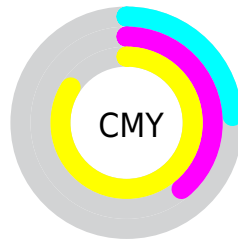


Cyan (0%)

Magenta (20%)

Yellow (78%)

Black (24%)



Cyan (24%)


Magenta (39%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5462, 0.4488, 0.4582 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 35.5462, 0.4488, 0.4582 by changing the saturation by 10% instead.


 35.5462, 0.4488,
0.4582


 35.5462, 0.4488,
0.4582


326.9727, 0.3838,
0.3981


 24.0839, 0.4619,
0.4696


 68.3311, 0.4271,
0.4386

 15.3959, 0.4760,
0.4813


 90.4224, 0.4183,
0.4305


 9.0977, 0.4960,
0.4978


 116.8256, 0.4106,
0.4233

 4.8050, 0.5019,
0.4981

 147.9250, 0.4038,
0.4170

 2.1333, 0.5064,
0.4936

 184.1050, 0.3979,
0.4114

 0.6832, 0.5188,
0.4812

 225.7501, 0.3927,

 0.0000, 0.0000,

0.4065

0.0000

273.2445, 0.3880,
0.4020

■ 35.5462, 0.4488,
0.4582

■ 35.5462, 0.4488,
0.4582

■ 33.8054, 0.4617,
0.4627

■ 37.4267, 0.4333,
0.4491

■ 32.1845, 0.4717,
0.4626

■ 39.4512, 0.4158,
0.4360

■ 31.9443, 0.4732,
0.4625

■ 41.6297, 0.3972,
0.4198

■ 43.9694, 0.3783,
0.4017

■ 46.4770, 0.3598,
0.3826

■ 49.1587, 0.3422,
0.3633

■ 52.0201, 0.3257,
0.3444

■ 55.0667, 0.3105,
0.3263

■ 58.3035, 0.2967,
0.3092

Harmonies

Analogous

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



35.5462, 0.4919, 0.3947



35.5462, 0.4488, 0.4582



35.5462, 0.3733, 0.4995

Triad

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



35.5462, 0.4488, 0.4582



35.5462, 0.1684, 0.2921



35.5462, 0.3174, 0.2233

Complementary

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



35.5462, 0.4488, 0.4582



10.3206, 0.1786, 0.1341

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.



35.5462, 0.2341, 0.1971



35.5462, 0.4488, 0.4582



35.5462, 0.1591, 0.2254

Square

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



35.5462, 0.4488, 0.4582



35.5462, 0.2120, 0.3923



35.5462, 0.1809, 0.1962



35.5462, 0.4129, 0.2702

Rectangle

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



35.5462, 0.4488, 0.4582



35.5462, 0.3155, 0.4954



35.5462, 0.1809, 0.1962



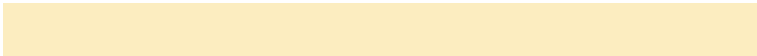
35.5462, 0.2868, 0.2120

Sweetspot

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



35.5479, 0.4488, 0.4582



85.1463, 0.3525, 0.3747



13.8819, 0.5155, 0.2875



18.2710, 0.3590, 0.3817



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.



35.5479, 0.4488, 0.4582



58.4824, 0.4688, 0.4629



46.6125, 0.3799, 0.5162



11.3093, 0.3271, 0.3461



20.8964, 0.4723, 0.4632



1.0081, 0.4580, 0.4745

Inverse Universe

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



10.3206, 0.1786, 0.1341



12.2829, 0.1614, 0.0971



7.2030, 0.1882, 0.0983



10.1562, 0.2984, 0.3113



4.1448, 0.1588, 0.0915



0.2942, 0.1714, 0.1368

Previews

White Background



This preview shows how the Yxy color 35.5462, 0.4488, 0.4582 looks on a white background.

Color Contrast Check

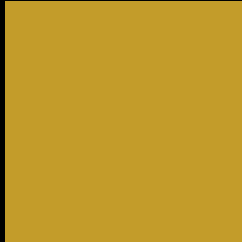
Large Text (above 18pt) WCAG AA × Fail

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 35.5462, 0.4488, 0.4582 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 35.5462, 0.4488, 0.4582

Background



This preview shows how black text looks on a background with the Yxy color 35.5462, 0.4488, 0.4582.



This preview shows how white text looks on a background with the Yxy color 35.5462, 0.4488, 0.4582.

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

35.5462, 0.4488, 0.4582

Protanopia

35.4879, 0.4289, 0.4722

Deuteranopia

35.5134, 0.4584, 0.4499



Tritanopia

35.6886, 0.3618, 0.3150

Trichromacy



Original Color

35.5462, 0.4488, 0.4582

Protanomaly

35.4098, 0.4361, 0.4667

Deuteranomaly

35.4277, 0.4544, 0.4529

Tritanomaly

35.3299, 0.4015, 0.3751

Monochromacy



Original Color

35.5462, 0.4488, 0.4582

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.2036, 0.3677, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5462, 0.4488, 0.4582 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(195, 156, 42)` looks like.

```
.text, #text, p{  
    color:rgb(195, 156, 42)  
}
```

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(195, 156, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 156, 42) }
```

Border

The CSS property to change the border of an element to Yxy 35.5462, 0.4488, 0.4582 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(195, 156, 42) }
```

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

```
.border{ border-color:rgb(195, 156, 42) }
```

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

Here you see how a box with a 4 pixel rgb(195, 156, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 156, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 156, 42);  
box-shadow:4px 4px 4px 4px rgb(195, 156,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5462, 0.4488, 0.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 156, 42) }
```

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

```
.background{ background-color: rgb(195,  
156, 42) }
```

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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