

Converting Colors

$Y_{xy}(35.6742, 0.4488, 0.4510)$

Have a look what the booklet for
Yxy(35.6742, 0.4488, 0.4510)
contains.

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Color

Yxy(35.6702, 0.4493, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	C69B31
RGB	198, 155, 49
RGB Percent	78%, 61%, 19%
CMY	0.2236, 0.3921, 0.8079
CMYK	0.00, 0.22, 0.75, 0.22
HSL	43°, 60%, 48%
HSV	43°, 75%, 78%
XYZ	35.5594, 35.6702, 7.9144
YIQ	155.7730, 59.6540, -23.8500

Conversions

Conversions Part 2

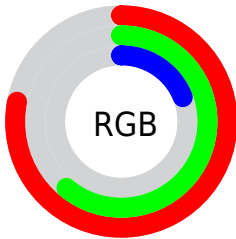
Format	Color
R _Y B	109, 198, 49
Decimal	13015857
CIE Lab	66.27, 5.68, 58.37
CIE LCh	66, 58.649, 84.441
Yxy	35.6702, 0.4493, 0.4507
Android (android.graphics.Color)	4291205937 (0xFFC69B31)
YUV	155.7730, -52.6391, 37.0331
Hunter-Lab	59.7245, 1.7592, 33.9504

Details

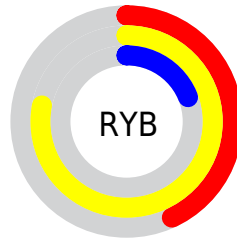
The Yxy color **35.6702, 0.4493, 0.4507** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.3732, 0.1849, 0.1497**, and the grayscale version is **33.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8202, 0.4248, 0.4336**, and **15.4761, 0.4721, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **33.6843, 0.4645, 0.4561**, and if you desaturate by 10%, it is **37.8228, 0.4317, 0.4408**.

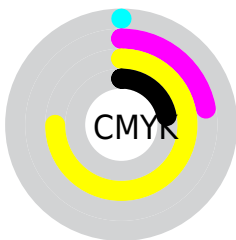
Distribution



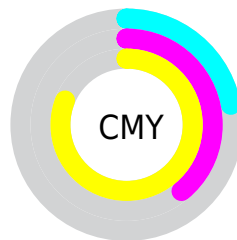
- Red (78%)
- Green (61%)
- Blue (19%)



- Red (43%)
- Yellow (78%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (75%)
- Black (22%)




- Cyan (22%)
- Magenta (39%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6702, 0.4493, 0.4507 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 35.6702, 0.4493, 0.4507 by changing the saturation by 10% instead.


 35.6702, 0.4493,
0.4507


 35.6702, 0.4493,
0.4507


 327.5167, 0.3833,
0.3941


 24.1796, 0.4631,
0.4615


 68.5227, 0.4269,
0.4322

 15.4669, 0.4784,
0.4727


 90.6534, 0.4179,
0.4246


 9.1477, 0.4982,
0.4864


 117.0996, 0.4101,
0.4178

 4.8377, 0.5103,
0.4897

 148.2457, 0.4033,
0.4119

 2.1523, 0.5173,
0.4827

 184.4761, 0.3974,
0.4067

 0.6938, 0.5350,
0.4650

 226.1751, 0.3921,

 0.0000, 0.0000,

0.4020

0.0000

273.7272, 0.3874,
0.3979

■ 35.6702, 0.4493,
0.4507

■ 35.6702, 0.4493,
0.4507

■ 33.6843, 0.4645,
0.4561

■ 37.8228, 0.4317,
0.4408

■ 31.8482, 0.4766,
0.4565

■ 40.1466, 0.4126,
0.4271

■ 31.0203, 0.4817,
0.4557

■ 42.6518, 0.3929,
0.4108

■ 45.3463, 0.3733,
0.3930

■ 48.2371, 0.3546,
0.3745

■ 51.3306, 0.3369,
0.3560

■ 54.6332, 0.3207,
0.3381

■ 58.1507, 0.3059,
0.3211

■ 61.8885, 0.2925,
0.3051

Harmonies

Analogous

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



35.6702, 0.4871, 0.3891



35.6702, 0.4493, 0.4507



35.6702, 0.3781, 0.4920

Triad

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



35.6702, 0.4493, 0.4507



35.6702, 0.1749, 0.3002



35.6702, 0.3108, 0.2239

Complementary

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



35.6702, 0.4493, 0.4507



12.3732, 0.1849, 0.1497

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.



35.6702, 0.2319, 0.2001



35.6702, 0.4493, 0.4507



35.6702, 0.1632, 0.2325

Square

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



35.6702, 0.4493, 0.4507



35.6702, 0.2201, 0.3973



35.6702, 0.1823, 0.2013



35.6702, 0.4029, 0.2684

Rectangle

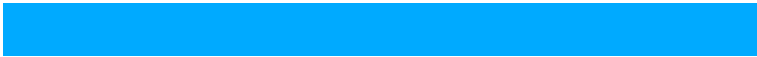
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6702, 0.4493, 0.4507



35.6702, 0.3224, 0.4906



35.6702, 0.1823, 0.2013



35.6702, 0.2818, 0.2134

Sweetspot

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



35.6719, 0.4493, 0.4507



86.4624, 0.3511, 0.3709



15.0001, 0.4941, 0.2809



18.0905, 0.3578, 0.3777



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.



35.6719, 0.4493, 0.4507



57.6531, 0.4722, 0.4569



48.9428, 0.3836, 0.5084



11.8803, 0.3272, 0.3454



20.3315, 0.4807, 0.4565



1.0825, 0.4651, 0.4689

Inverse Universe

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



12.3732, 0.1849, 0.1497



15.0309, 0.1666, 0.1125



7.9243, 0.1892, 0.1035



10.7774, 0.2983, 0.3121



4.6891, 0.1607, 0.0985



0.3490, 0.1727, 0.1416

Previews

White Background



This preview shows how the Yxy color 35.6702, 0.4493, 0.4507 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 35.6702, 0.4493, 0.4507 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 35.6702, 0.4493, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 35.6702, 0.4493, 0.4507.



This preview shows how white text looks on a background with the Yxy color 35.6702, 0.4493, 0.4507.

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

35.6702, 0.4493, 0.4507

Protanopia

35.9034, 0.4240, 0.4674

Deuteranopia

35.5693, 0.4548, 0.4454



Tritanopia

35.6302, 0.3652, 0.3151

Trichromacy



Original Color

35.6702, 0.4493, 0.4507

Protanomaly

35.5914, 0.4336, 0.4611

Deuteranomaly

35.7590, 0.4528, 0.4471

Tritanomaly

35.3358, 0.4021, 0.3709

Monochromacy



Original Color

35.6702, 0.4493, 0.4507

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.7192, 0.3655, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6702, 0.4493, 0.4507 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(198, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(198, 155, 49)  
}
```

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(198, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 155, 49) }
```

Border

The CSS property to change the border of an element to Yxy 35.6702, 0.4493, 0.4507 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(198, 155, 49) }
```

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

```
.border{ border-color:rgb(198, 155, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 155, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(198, 155,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6702, 0.4493, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 155, 49) }
```

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

```
.background{ background-color: rgb(198,  
155, 49) }
```

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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