

Converting Colors

$Y_{xy}(35.2134, 0.4521, 0.4569)$

Have a look what the booklet for
Yxy(35.2134, 0.4521, 0.4569)
contains.

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Color

Yxy(35.3385, 0.4513, 0.4571)

Conversions

Conversions Part 1

Format	Color
Hex	C49B29
RGB	196, 155, 41
RGB Percent	77%, 61%, 16%
CMY	0.2313, 0.3922, 0.8391
CMYK	0.00, 0.21, 0.79, 0.23
HSL	44°, 65%, 46%
HSV	44°, 79%, 77%
XYZ	34.8901, 35.3385, 7.0816
YIQ	154.2630, 61.0300, -26.7620

Conversions

Conversions Part 2

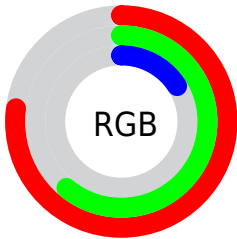
Format	Color
R _Y B	97, 196, 41
Decimal	12884777
CIE Lab	66.01, 4.51, 60.97
CIE LCh	66, 61.135, 85.770
Yxy	35.3385, 0.4513, 0.4571
Android (android.graphics.Color)	4291074857 (0xFFC49B29)
YUV	154.2630, -55.8387, 36.6033
Hunter-Lab	59.4462, 0.7342, 34.5493

Details

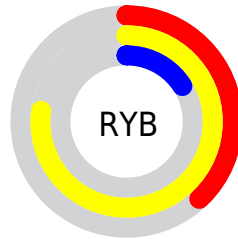
The Yxy color **35.3385, 0.4513, 0.4571** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **10.4990, 0.1784, 0.1347**, and the grayscale version is **32.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7055, 0.4282, 0.4382**, and **15.3039, 0.4694, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **33.5459, 0.4644, 0.4611**, and if you desaturate by 10%, it is **37.2768, 0.4355, 0.4484**.

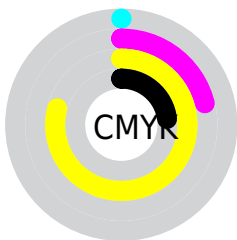
Distribution



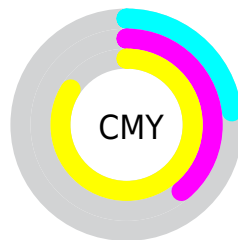
- Red (77%)
- Green (61%)
- Blue (16%)



- Red (38%)
- Yellow (77%)
- Blue (16%)



- Cyan (0%)
- Magenta (21%)
- Yellow (79%)
- Black (23%)





- Cyan (23%)
- Magenta (39%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3385, 0.4513, 0.4571 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 35.3385, 0.4513, 0.4571 by changing the saturation by 10% instead.


 35.3385, 0.4513,
0.4571


 35.3385, 0.4513,
0.4571


 326.0599, 0.3850,
0.3978

 23.9237, 0.4646,
0.4682


 68.0098, 0.4291,
0.4379

 15.2771, 0.4791,
0.4794


 90.0352, 0.4201,
0.4299


 9.0141, 0.5001,
0.4956


 116.3662, 0.4123,
0.4228

 4.7504, 0.5057,
0.4943

 147.3873, 0.4054,
0.4166

 2.1015, 0.5114,
0.4886

 183.4828, 0.3994,
0.4110

 0.6655, 0.5274,
0.4726

 225.0371, 0.3940,

 0.0000, 0.0000,

0.4061

0.0000

272.4347, 0.3893,
0.4017

■ 35.3385, 0.4513,
0.4571

■ 35.3385, 0.4513,
0.4571

■ 33.5459, 0.4644,
0.4611

■ 37.2768, 0.4355,
0.4484

■ 31.8777, 0.4747,
0.4607

■ 39.3655, 0.4178,
0.4357

■ 31.7273, 0.4756,
0.4606

■ 41.6148, 0.3989,
0.4199

■ 44.0322, 0.3798,
0.4020

■ 46.6245, 0.3611,
0.3831

■ 49.3982, 0.3433,
0.3640

■ 52.3590, 0.3266,
0.3453

■ 55.5126, 0.3114,
0.3274

■ 58.8643, 0.2975,
0.3105

Harmonies

Analogous

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



35.3385, 0.4935, 0.3930



35.3385, 0.4513, 0.4571



35.3385, 0.3759, 0.5001

Triad

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



35.3385, 0.4513, 0.4571



35.3385, 0.1683, 0.2943



35.3385, 0.3146, 0.2217

Complementary

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



35.3385, 0.4513, 0.4571



10.4990, 0.1784, 0.1347

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.



35.3385, 0.2316, 0.1960



35.3385, 0.4513, 0.4571



35.3385, 0.1581, 0.2261

Square

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



35.3385, 0.4513, 0.4571



35.3385, 0.2132, 0.3958



35.3385, 0.1791, 0.1958



35.3385, 0.4109, 0.2682

Rectangle

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



35.3385, 0.4513, 0.4571



35.3385, 0.3180, 0.4975



35.3385, 0.1791, 0.1958



35.3385, 0.2841, 0.2105

Sweetspot

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



35.3402, 0.4513, 0.4571



86.7641, 0.3526, 0.3742



13.9401, 0.5179, 0.2877



18.1874, 0.3591, 0.3811



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.



35.3402, 0.4513, 0.4571



58.5017, 0.4721, 0.4609



47.1059, 0.3800, 0.5172



11.2927, 0.3271, 0.3459



20.5293, 0.4746, 0.4613



0.9947, 0.4597, 0.4732

Inverse Universe

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



10.4990, 0.1784, 0.1347



12.5920, 0.1612, 0.0973



7.1593, 0.1873, 0.0969



10.1719, 0.2984, 0.3116



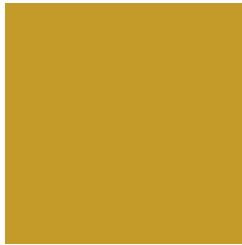
4.2536, 0.1593, 0.0935



0.3011, 0.1720, 0.1393

Previews

White Background



This preview shows how the Yxy color 35.3385, 0.4513, 0.4571 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 35.3385, 0.4513, 0.4571 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 35.3385, 0.4513, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 35.3385, 0.4513, 0.4571.



This preview shows how white text looks on a background with the Yxy color 35.3385, 0.4513, 0.4571.

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

35.3385, 0.4513, 0.4571

Protanopia

35.3675, 0.4279, 0.4729

Deuteranopia

35.1802, 0.4600, 0.4495



Tritanopia

35.4885, 0.3642, 0.3150

Trichromacy



Original Color

35.3385, 0.4513, 0.4571

Protanomaly

35.4025, 0.4365, 0.4674

Deuteranomaly

35.2290, 0.4570, 0.4518

Tritanomaly

35.1273, 0.4042, 0.3749

Monochromacy



Original Color

35.3385, 0.4513, 0.4571

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7385, 0.3681, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3385, 0.4513, 0.4571 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(196, 155, 41)` looks like.

```
.text, #text, p{  
    color:rgb(196, 155, 41)  
}
```

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(196, 155, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 155, 41) }
```

Border

The CSS property to change the border of an element to Yxy 35.3385, 0.4513, 0.4571 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(196, 155, 41) }
```

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

```
.border{ border-color:rgb(196, 155, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 155, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 155, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 155, 41);  
box-shadow:4px 4px 4px 4px rgb(196, 155,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3385, 0.4513, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 155, 41) }
```

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

```
.background{ background-color: rgb(196,  
155, 41) }
```

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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