

Converting Colors

$Y_{xy}(36.0885, 0.4615, 0.4525)$

Have a look what the booklet for
Yxy(36.0885, 0.4615, 0.4525)
contains.

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Color

Yxy(36.0885, 0.4615, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	CC9A26
RGB	204, 154, 38
RGB Percent	80%, 60%, 15%
CMY	0.2000, 0.3960, 0.8510
CMYK	0.00, 0.25, 0.81, 0.20
HSL	42°, 69%, 47%
HSV	42°, 81%, 80%
XYZ	36.8063, 36.0885, 6.8588
YIQ	155.7260, 67.0360, -25.4760

Conversions

Conversions Part 2

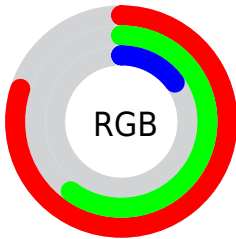
Format	Color
RYB	110, 204, 38
Decimal	13408806
CIELab	66.59, 8.46, 62.81
CIELCh	67, 63.382, 82.326
Yxy	36.0885, 0.4615, 0.4525
Android (android.graphics.Color)	4291598886 (0xFFCC9A26)
YUV	155.7260, -58.0389, 42.3363
Hunter-Lab	60.0737, 4.2354, 35.2823

Details

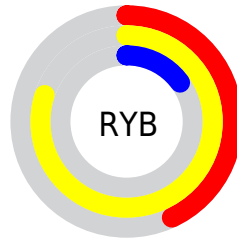
The Yxy color **36.0885, 0.4615, 0.4525** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **11.7480, 0.1776, 0.1374**, and the grayscale version is **33.3591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1799, 0.4299, 0.4388**, and **15.7202, 0.4803, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **34.0164, 0.4754, 0.4545**, and if you desaturate by 10%, it is **38.3400, 0.4448, 0.4456**.

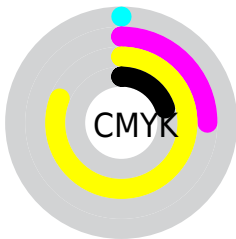
Distribution



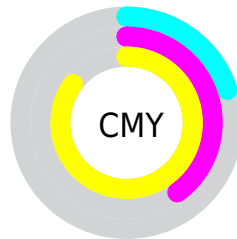
- Red (80%)
- Green (60%)
- Blue (15%)



- Red (43%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (81%)
- Black (20%)




- Cyan (20%)
- Magenta (40%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0885, 0.4615, 0.4525 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 36.0885, 0.4615, 0.4525 by changing the saturation by 10% instead.


 36.0885, 0.4615,
0.4525


 36.0885, 0.4615,
0.4525


329.3472, 0.3905,
0.3972

 24.5026, 0.4758,
0.4621


 69.1686, 0.4378,
0.4351


 15.7068, 0.4914,
0.4712


 91.4316, 0.4282,
0.4277


 9.3169, 0.5143,
0.4847


 118.0224, 0.4198,
0.4211

 4.9485, 0.5211,
0.4789

 149.3254, 0.4124,
0.4152

 2.2171, 0.5311,
0.4689

 185.7250, 0.4059,
0.4099

 0.7293, 0.5527,
0.4473

 227.6055, 0.4002,

 0.0000, 0.0000,

0.4052

0.0000

275.3515, 0.3951,
0.4010

■ 36.0885, 0.4615,
0.4525

■ 36.0885, 0.4615,
0.4525

■ 34.0164, 0.4754,
0.4545

■ 38.3400, 0.4448,
0.4456

■ 32.3516, 0.4852,
0.4529

■ 40.7774, 0.4260,
0.4343

■ 43.4126, 0.4061,
0.4197

■ 46.2546, 0.3859,
0.4030

■ 49.3116, 0.3663,
0.3850

■ 52.5912, 0.3478,
0.3667

■ 56.1004, 0.3305,
0.3486

■ 59.8458, 0.3148,
0.3313

■ 63.8338, 0.3005,
0.3150

Harmonies

Analogous

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



36.0885, 0.5000, 0.3859



36.0885, 0.4615, 0.4525



36.0885, 0.3867, 0.5020

Triad

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



36.0885, 0.4615, 0.4525



36.0885, 0.1682, 0.3036



36.0885, 0.3034, 0.2149

Complementary

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



36.0885, 0.4615, 0.4525



11.7480, 0.1776, 0.1374

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.



36.0885, 0.2216, 0.1916



36.0885, 0.4615, 0.4525



36.0885, 0.1541, 0.2291

Square

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



36.0885, 0.4615, 0.4525



36.0885, 0.2179, 0.4104



36.0885, 0.1719, 0.1944



36.0885, 0.4028, 0.2603

Rectangle

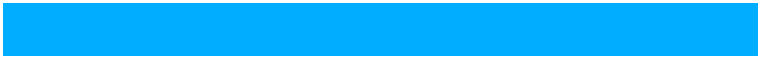
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0885, 0.4615, 0.4525



36.0885, 0.3278, 0.5059



36.0885, 0.1719, 0.1944



36.0885, 0.2729, 0.2044

Sweetspot

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



36.0903, 0.4615, 0.4525



85.4662, 0.3531, 0.3720



14.9704, 0.5117, 0.2789



17.8729, 0.3598, 0.3787



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.



36.0903, 0.4615, 0.4525



53.8120, 0.4841, 0.4528



52.2717, 0.3875, 0.5154



12.5041, 0.3273, 0.3451



20.5334, 0.4841, 0.4539



1.1885, 0.4685, 0.4662

Inverse Universe

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



11.7480, 0.1776, 0.1374



13.0419, 0.1615, 0.1003



6.9897, 0.1779, 0.0888



11.3856, 0.2983, 0.3123



5.0177, 0.1615, 0.1013



0.3930, 0.1726, 0.1415

Previews

White Background



This preview shows how the Yxy color 36.0885, 0.4615, 0.4525 looks on a white background.

Color Contrast Check

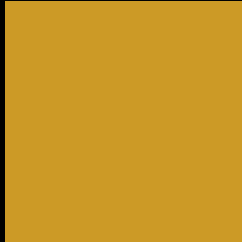
Large Text (above 18pt) WCAG AA × Fail

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 36.0885, 0.4615, 0.4525 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 36.0885, 0.4615, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 36.0885, 0.4615, 0.4525.



This preview shows how white text looks on a background with the Yxy color 36.0885, 0.4615, 0.4525.

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

36.0885, 0.4615, 0.4525

Protanopia

36.2927, 0.4292, 0.4753

Deuteranopia

36.0885, 0.4615, 0.4525



Tritanopia

36.1285, 0.3740, 0.3167

Trichromacy



Original Color

36.0885, 0.4615, 0.4525

Protanomaly

36.2352, 0.4408, 0.4674

Deuteranomaly

36.0885, 0.4615, 0.4525

Tritanomaly

35.7596, 0.4142, 0.3747

Monochromacy



Original Color

36.0885, 0.4615, 0.4525

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.5192, 0.3719, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0885, 0.4615, 0.4525 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(204, 154, 38)` looks like.

```
.text, #text, p{  
    color:rgb(204, 154, 38)  
}
```

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(204, 154, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 154, 38) }
```

Border

The CSS property to change the border of an element to Yxy 36.0885, 0.4615, 0.4525 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(204, 154, 38) }
```

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

```
.border{ border-color:rgb(204, 154, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 154, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 154, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 154, 38);  
box-shadow:4px 4px 4px 4px rgb(204, 154,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0885, 0.4615, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 154, 38) }
```

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

```
.background{ background-color: rgb(204,  
154, 38) }
```

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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