

Converting Colors

$Yxy(36.2643, 0.4505, 0.4386)$

Have a look what the booklet for
Yxy(36.2643, 0.4505, 0.4386)
contains.

Yxy(36.2643, 0.4505, 0.4386)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.2643, 0.4505, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	CC9A3B
RGB	204, 154, 59
RGB Percent	80%, 60%, 23%
CMY	0.2000, 0.3961, 0.7688
CMYK	0.00, 0.25, 0.71, 0.20
HSL	39°, 59%, 52%
HSV	39°, 71%, 80%
XYZ	37.2482, 36.2643, 9.1694
YIQ	158.1200, 60.2950, -18.9450

Conversions

Conversions Part 2

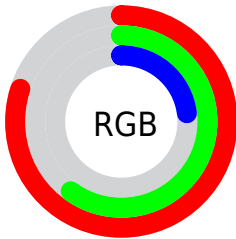
Format	Color
RYB	135, 204, 59
Decimal	13408827
CIELab	66.72, 9.34, 54.96
CIELCh	67, 55.746, 80.355
Yxy	36.2643, 0.4505, 0.4386
Android (android.graphics.Color)	4291598907 (0xFFCC9A3B)
YUV	158.1200, -48.8662, 40.2368
Hunter-Lab	60.2198, 5.0242, 33.1260

Details

The Yxy color **36.2643, 0.4505, 0.4386** 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 **16.2210, 0.1939, 0.1731**, and the grayscale version is **34.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5194, 0.4200, 0.4253**, and **15.8115, 0.4816, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **33.8399, 0.4692, 0.4449**, and if you desaturate by 10%, it is **38.9110, 0.4299, 0.4280**.

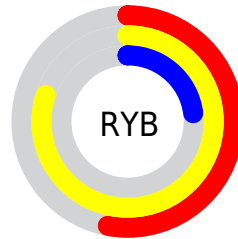
Distribution



Red (80%)

Green (60%)

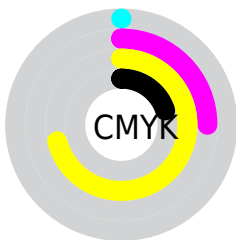
Blue (23%)



Red (53%)

Yellow (80%)

Blue (23%)

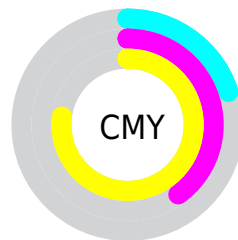


Cyan (0%)

Magenta (25%)

Yellow (71%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2643, 0.4505, 0.4386 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 36.2643, 0.4505, 0.4386 by changing the saturation by 10% instead.

 36.2643, 0.4505,
0.4386

 36.2643, 0.4505,
0.4386


 330.1143, 0.3829,
0.3880


 24.6384, 0.4653,
0.4482


 69.4398, 0.4271,
0.4221


 15.8078, 0.4823,
0.4583


 91.7582, 0.4179,
0.4153


 9.3883, 0.5024,
0.4684


 118.4095, 0.4100,
0.4093

 4.9953, 0.5244,
0.4756

 149.7782, 0.4031,
0.4040

 2.2445, 0.5353,
0.4647

 186.2486, 0.3971,
0.3993

 0.7441, 0.5578,
0.4422

 228.2052, 0.3918,

 0.0000, 0.0000,

0.3951

0.0000

276.0323, 0.3871,
0.3914

■ 36.2643, 0.4505,
0.4386

■ 36.2643, 0.4505,
0.4386

■ 33.8399, 0.4692,
0.4449

■ 38.9110, 0.4299,
0.4280

■ 31.6200, 0.4851,
0.4461

■ 41.7855, 0.4085,
0.4142

■ 29.7982, 0.4970,
0.4436

■ 44.8993, 0.3872,
0.3982

■ 48.2614, 0.3668,
0.3812

■ 51.8800, 0.3477,
0.3639

■ 55.7628, 0.3302,
0.3470

■ 59.9173, 0.3144,
0.3307

■ 64.3502, 0.3001,
0.3154

■ 69.0683, 0.2874,
0.3012

Harmonies

Analogous

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



36.2643, 0.4796, 0.3793



36.2643, 0.4505, 0.4386



36.2643, 0.3863, 0.4806

Triad

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



36.2643, 0.4505, 0.4386



36.2643, 0.1854, 0.3138



36.2643, 0.2997, 0.2242

Complementary

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



36.2643, 0.4505, 0.4386



16.2210, 0.1939, 0.1731

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.



36.2643, 0.2277, 0.2044



36.2643, 0.4505, 0.4386



36.2643, 0.1695, 0.2444

Square

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



36.2643, 0.4505, 0.4386



36.2643, 0.2335, 0.4059



36.2643, 0.1839, 0.2095



36.2643, 0.3867, 0.2647

Rectangle

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



36.2643, 0.4505, 0.4386



36.2643, 0.3338, 0.4838



36.2643, 0.1839, 0.2095



36.2643, 0.2730, 0.2151

Sweetspot

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



36.2661, 0.4505, 0.4386



85.7989, 0.3480, 0.3642



17.0833, 0.4662, 0.2721



17.9969, 0.3532, 0.3691



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.



36.2661, 0.4505, 0.4386



54.1527, 0.4776, 0.4462



53.4818, 0.3883, 0.4976



12.4201, 0.3274, 0.3441



18.9327, 0.4956, 0.4447



1.1148, 0.4770, 0.4594

Inverse Universe

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



16.2210, 0.1939, 0.1731



19.4429, 0.1753, 0.1376



9.2219, 0.1904, 0.1109



11.4659, 0.2983, 0.3134



5.6849, 0.1645, 0.1123



0.4342, 0.1757, 0.1525

Previews

White Background



This preview shows how the Yxy color 36.2643, 0.4505, 0.4386 looks on a white background.

Color Contrast Check

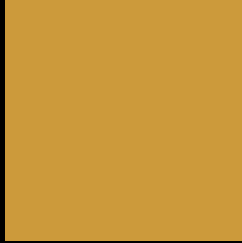
Large Text (above 18pt) WCAG AA × Fail

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 36.2643, 0.4505, 0.4386 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 36.2643, 0.4505, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 36.2643, 0.4505, 0.4386.



This preview shows how white text looks on a background with the Yxy color 36.2643, 0.4505, 0.4386.

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

36.2643, 0.4505, 0.4386

Protanopia

36.3551, 0.4174, 0.4599

Deuteranopia

36.1235, 0.4495, 0.4391



Tritanopia

36.1620, 0.3729, 0.3154

Trichromacy



Original Color

36.2643, 0.4505, 0.4386

Protanomaly

36.2867, 0.4290, 0.4529

Deuteranomaly

36.1235, 0.4495, 0.4391

Tritanomaly

35.9458, 0.4059, 0.3648

Monochromacy



Original Color

36.2643, 0.4505, 0.4386

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6330, 0.3645, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2643, 0.4505, 0.4386 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 154, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 154, 59) }
```

Border

The CSS property to change the border of an element to Yxy 36.2643, 0.4505, 0.4386 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, 59) }
```

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

```
.border{ border-color:rgb(204, 154, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 154, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 154, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 154,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2643, 0.4505, 0.4386 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, 59) }
```

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

```
.background{ background-color: rgb(204,  
154, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor