

Converting Colors

Yxy(39.4642, 0.4726, 0.4361)

Have a look what the booklet for
Yxy(39.4642, 0.4726, 0.4361)
contains.

Yxy(39.3524, 0.4729, 0.4357)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.3524, 0.4729, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	DF9B31
RGB	223, 155, 49
RGB Percent	87%, 61%, 19%
CMY	0.1254, 0.3922, 0.8077
CMYK	0.00, 0.31, 0.78, 0.13
HSL	37°, 73%, 53%
HSV	37°, 78%, 87%
XYZ	42.7123, 39.3524, 8.2552
YIQ	163.2480, 74.5540, -18.5500

Conversions

Conversions Part 2

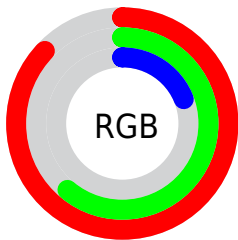
Format	Color
RYB	161, 223, 49
Decimal	14654257
CIELab	69.01, 16.57, 61.91
CIELCh	69, 64.093, 75.013
Yxy	39.3524, 0.4729, 0.4357
Android (android.graphics.Color)	4292844337 (0xFFDF9B31)
YUV	163.2480, -56.3243, 52.4025
Hunter-Lab	62.7315, 11.7561, 36.1097

Details

The Yxy color **39.3524, 0.4729, 0.4357** 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 **18.7220, 0.1871, 0.1671**, and the grayscale version is **36.9980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8402, 0.4242, 0.4328**, and **17.6872, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **36.4118, 0.4919, 0.4373**, and if you desaturate by 10%, it is **42.5997, 0.4513, 0.4290**.

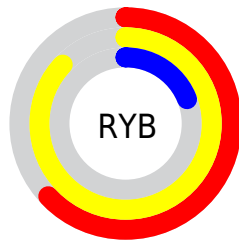
Distribution



Red (87%)

Green (61%)

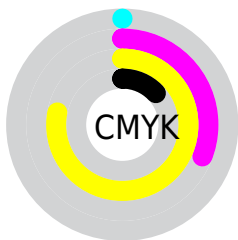
Blue (19%)



Red (63%)

Yellow (87%)

Blue (19%)

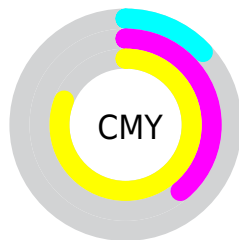


Cyan (0%)

Magenta (31%)

Yellow (78%)

Black (13%)



Cyan (13%)


Magenta (39%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3524, 0.4729, 0.4357 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 39.3524, 0.4729, 0.4357 by changing the saturation by 10% instead.

 39.3524, 0.4729,
0.4357

 39.3524, 0.4729,
0.4357


343.3864, 0.3961,
0.3904

 27.0340, 0.4889,
0.4428


 74.1764, 0.4469,
0.4221

 17.5987, 0.5071,
0.4490


 97.4507, 0.4365,
0.4161


 10.6623, 0.5293,
0.4547

 125.1458, 0.4275,
0.4107

 5.8402, 0.5486,
0.4514

 157.6460, 0.4195,
0.4057

 2.7482, 0.5651,
0.4349

 195.3358, 0.4126,
0.4013

 1.0017, 0.5935,
0.4065

 238.5995, 0.4065,

 0.0000, 1.0000,

0.3973

0.0000

287.8216, 0.4010,
0.3937

■ 0.0000, 0.0000,
0.0000

■ 39.3524, 0.4729,
0.4357

■ 39.3524, 0.4729,
0.4357

■ 36.4118, 0.4919,
0.4373

■ 42.5997, 0.4513,
0.4290

■ 33.7504, 0.5076,
0.4338

■ 46.1641, 0.4284,
0.4183

■ 33.2480, 0.5105,
0.4328

■ 50.0620, 0.4052,
0.4046

■ 54.3066, 0.3829,
0.3892

■ 58.9098, 0.3619,
0.3730

■ 63.8830, 0.3427,
0.3568

■ 69.2368, 0.3253,
0.3410

■ 74.9814, 0.3098,
0.3261

■ 81.1262, 0.2960,
0.3121

Harmonies

Analogous

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



39.3524, 0.4981, 0.3694



39.3524, 0.4729, 0.4357



39.3524, 0.4060, 0.4910

Triad

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



39.3524, 0.4729, 0.4357



39.3524, 0.1790, 0.3281



39.3524, 0.2815, 0.2087

Complementary

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



39.3524, 0.4729, 0.4357



18.7220, 0.1871, 0.1671

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.



39.3524, 0.2080, 0.1916



39.3524, 0.4729, 0.4357



39.3524, 0.1566, 0.2449

Square

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



39.3524, 0.4729, 0.4357



39.3524, 0.2366, 0.4338



39.3524, 0.1667, 0.2016



39.3524, 0.3777, 0.2488

Rectangle

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



39.3524, 0.4729, 0.4357



39.3524, 0.3495, 0.5051



39.3524, 0.1667, 0.2016



39.3524, 0.2536, 0.2002

Sweetspot

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



39.3544, 0.4729, 0.4357



83.0129, 0.3524, 0.3651



19.2148, 0.4756, 0.2622



17.2511, 0.3595, 0.3710



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.



39.3544, 0.4729, 0.4357



46.8820, 0.5027, 0.4354



66.0751, 0.3984, 0.5033



15.0828, 0.3277, 0.3433



19.7717, 0.5088, 0.4342



1.5431, 0.4913, 0.4481

Inverse Universe

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



18.7220, 0.1871, 0.1671



18.2663, 0.1708, 0.1315



8.7031, 0.1739, 0.0906



14.1179, 0.2981, 0.3143



7.3639, 0.1679, 0.1243



0.6810, 0.1764, 0.1551

Previews

White Background



This preview shows how the Yxy color 39.3524, 0.4729, 0.4357 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 39.3524, 0.4729, 0.4357 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 39.3524, 0.4729, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 39.3524, 0.4729, 0.4357.



This preview shows how white text looks on a background with the Yxy color 39.3524, 0.4729, 0.4357.

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

39.3524, 0.4729, 0.4357

Protanopia

39.4518, 0.4246, 0.4676

Deuteranopia

39.3439, 0.4586, 0.4484



Tritanopia

39.3091, 0.3899, 0.3164

Trichromacy



Original Color

39.3524, 0.4729, 0.4357

Protanomaly

39.2164, 0.4416, 0.4559

Deuteranomaly

39.2660, 0.4639, 0.4434

Tritanomaly

39.1101, 0.4276, 0.3665

Monochromacy



Original Color

39.3524, 0.4729, 0.4357

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8610, 0.3737, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3524, 0.4729, 0.4357 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(223, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 155, 49) }
```

Border

The CSS property to change the border of an element to Yxy 39.3524, 0.4729, 0.4357 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(223, 155, 49) }
```

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

```
.border{ border-color:rgb(223, 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(223, 155, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(223, 155,  
49) }
```


Background

The CSS property to change the background color of an element to `rgb(39.3524, 0.4729, 0.4357)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 155, 49) }
```

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

```
.background{ background-color: rgb(223,  
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](#).

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