

Converting Colors

$Y_{xy}(39.3349, 0.4452, 0.4316)$

Have a look what the booklet for
Yxy(39.3349, 0.4452, 0.4316)
contains.

Yxy(39.4327, 0.4443, 0.4322)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.4327, 0.4443, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	D3A046
RGB	211, 160, 70
RGB Percent	83%, 63%, 27%
CMY	0.1726, 0.3725, 0.7255
CMYK	0.00, 0.24, 0.67, 0.17
HSL	38°, 62%, 55%
HSV	38°, 67%, 83%
XYZ	40.5367, 39.4327, 11.2678
YIQ	164.9890, 59.2860, -17.1780

Conversions

Conversions Part 2

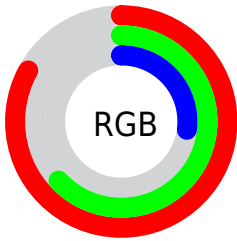
Format	Color
RYB	150, 211, 70
Decimal	13869126
CIELab	69.06, 9.71, 52.76
CIElCh	69, 53.649, 79.573
Yxy	39.4327, 0.4443, 0.4322
Android (android.graphics.Color)	4292059206 (0xFFD3A046)
YUV	164.9890, -46.8296, 40.3516
Hunter-Lab	62.7955, 5.3359, 33.3180

Details

The Yxy color **39.4327, 0.4443, 0.4322** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.6705, 0.2009, 0.1872**, and the grayscale version is **37.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2660, 0.4090, 0.4221**, and **17.7413, 0.4757, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **36.6491, 0.4647, 0.4401**, and if you desaturate by 10%, it is **42.4760, 0.4225, 0.4204**.

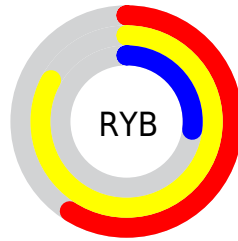
Distribution



Red (83%)

Green (63%)

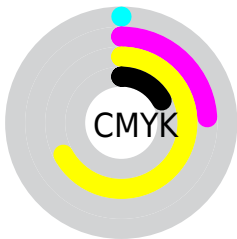
Blue (27%)



Red (59%)

Yellow (83%)

Blue (27%)

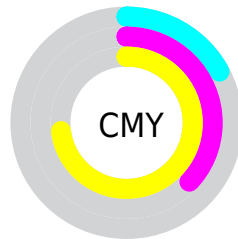


Cyan (0%)

Magenta (24%)

Yellow (67%)

Black (17%)



Cyan (17%)

Magenta (37%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4327, 0.4443, 0.4322 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 39.4327, 0.4443, 0.4322 by changing the saturation by 10% instead.

 39.4327, 0.4443,
0.4322


 39.4327, 0.4443,
0.4322


343.7267, 0.3799,
0.3847

 27.0965, 0.4586,
0.4415


 74.2989, 0.4220,
0.4166


 17.6457, 0.4754,
0.4516


 97.5976, 0.4132,
0.4102


 10.6959, 0.4946,
0.4614

 125.3194, 0.4057,
0.4045

 5.8628, 0.5239,
0.4761

 157.8485, 0.3991,
0.3996

 2.7618, 0.5339,
0.4661

 195.5694, 0.3934,
0.3952

 1.0087, 0.5517,
0.4483

238.8665, 0.3884,

 0.0000, 1.0000,

0.3913

0.0000

288.1241, 0.3839,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 39.4327, 0.4443,
0.4322

■ 39.4327, 0.4443,
0.4322

■ 36.6491, 0.4647,
0.4401

■ 42.4760, 0.4225,
0.4204

■ 34.1062, 0.4827,
0.4431

■ 45.7849, 0.4005,
0.4059

■ 31.7895, 0.4974,
0.4410

■ 49.3718, 0.3791,
0.3897

■ 31.0931, 0.5018,
0.4397

■ 53.2463, 0.3589,
0.3728

■ 57.4177, 0.3402,
0.3560

■ 61.8944, 0.3233,
0.3397

■ 66.6846, 0.3081,
0.3242

■ 71.7959, 0.2945,
0.3097

■ 76.9174, 0.2852,
0.3012

Harmonies

Analogous

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



39.4327, 0.4696, 0.3764



39.4327, 0.4443, 0.4322



39.4327, 0.3849, 0.4708

Triad

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



39.4327, 0.4443, 0.4322



39.4327, 0.1934, 0.3175



39.4327, 0.2988, 0.2290

Complementary

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



39.4327, 0.4443, 0.4322



19.6705, 0.2009, 0.1872

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.



39.4327, 0.2313, 0.2108



39.4327, 0.4443, 0.4322



39.4327, 0.1771, 0.2513

Square

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



39.4327, 0.4443, 0.4322



39.4327, 0.2402, 0.4027



39.4327, 0.1900, 0.2167



39.4327, 0.3802, 0.2672

Rectangle

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



39.4327, 0.4443, 0.4322



39.4327, 0.3356, 0.4735



39.4327, 0.1900, 0.2167



39.4327, 0.2738, 0.2205

Sweetspot

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



39.4346, 0.4443, 0.4322



85.9349, 0.3464, 0.3617



19.6236, 0.4486, 0.2705



18.0036, 0.3516, 0.3665



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.



39.4346, 0.4443, 0.4322



54.6483, 0.4724, 0.4419



58.2531, 0.3880, 0.4894



13.0488, 0.3275, 0.3438



18.9685, 0.5003, 0.4410



1.2083, 0.4817, 0.4558

Inverse Universe

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



19.6705, 0.2009, 0.1872



22.5280, 0.1820, 0.1535



11.1956, 0.1960, 0.1216



12.1073, 0.2982, 0.3137



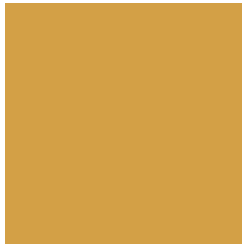
6.1592, 0.1657, 0.1166



0.4933, 0.1761, 0.1540

Previews

White Background



This preview shows how the Yxy color 39.4327, 0.4443, 0.4322 looks on a white background.

Color Contrast Check

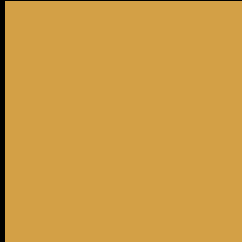
Large Text (above 18pt) WCAG AA × Fail

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 39.4327, 0.4443, 0.4322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

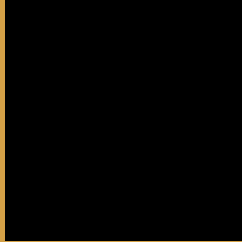
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4327, 0.4443, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 39.4327, 0.4443, 0.4322.



This preview shows how white text looks on a background with the Yxy color 39.4327, 0.4443, 0.4322.

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

39.4327, 0.4443, 0.4322

Protanopia

39.5483, 0.4119, 0.4509

Deuteranopia

39.6336, 0.4424, 0.4337



Tritanopia

39.3268, 0.3707, 0.3146

Trichromacy



Original Color

39.4327, 0.4443, 0.4322

Protanomaly

39.4761, 0.4230, 0.4445

Deuteranomaly

39.6336, 0.4424, 0.4337

Tritanomaly

39.1433, 0.4005, 0.3601

Monochromacy



Original Color

39.4327, 0.4443, 0.4322

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7512, 0.3618, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4327, 0.4443, 0.4322 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(211, 160, 70)` looks like.

```
.text, #text, p{  
    color:rgb(211, 160, 70)  
}
```

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(211, 160, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 160, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.4327, 0.4443, 0.4322 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(211, 160, 70) }
```

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

```
.border{ border-color:rgb(211, 160, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 160, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 160, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 160, 70);  
box-shadow:4px 4px 4px 4px rgb(211, 160,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4327, 0.4443, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 160, 70) }
```

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

```
.background{ background-color: rgb(211,  
160, 70) }
```

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