

Converting Colors

$Y_{xy}(39.0376, 0.4318, 0.4550)$

Have a look what the booklet for
Yxy(39.0376, 0.4318, 0.4550)
contains.

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Color

Yxy(38.9618, 0.4320, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	C4A53B
RGB	196, 165, 59
RGB Percent	77%, 65%, 23%
CMY	0.2312, 0.3530, 0.7686
CMYK	0.00, 0.16, 0.70, 0.23
HSL	46°, 54%, 50%
HSV	46°, 70%, 77%
XYZ	37.0167, 38.9618, 9.7083
YIQ	162.1850, 52.5020, -26.3940

Conversions

Conversions Part 2

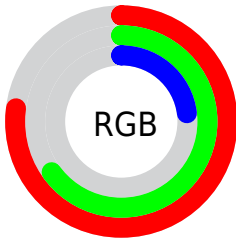
Format	Color
R _Y B	99, 196, 59
Decimal	12887355
CIE Lab	68.72, -0.05, 56.73
CIE LCh	69, 56.726, 90.051
Yxy	38.9618, 0.4320, 0.4547
Android (android.graphics.Color)	4291077435 (0xFFC4A53B)
YUV	162.1850, -50.8702, 29.6558
Hunter-Lab	62.4194, -3.3777, 34.4720

Details

The Yxy color **38.9618, 0.4320, 0.4547** 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 **12.2393, 0.1894, 0.1502**, and the grayscale version is **36.4503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6163, 0.4122, 0.4350**, and **17.5236, 0.4542, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **37.2225, 0.4461, 0.4636**, and if you desaturate by 10%, it is **40.8368, 0.4158, 0.4417**.

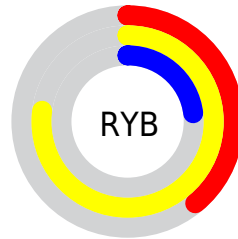
Distribution



Red (77%)

Green (65%)

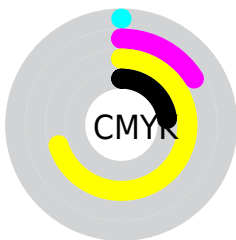
Blue (23%)



Red (39%)

Yellow (77%)

Blue (23%)

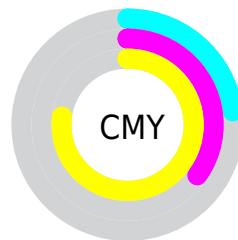


Cyan (0%)

Magenta (16%)

Yellow (70%)

Black (23%)



Cyan (23%)


Magenta (35%)


Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9618, 0.4320, 0.4547 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 38.9618, 0.4320, 0.4547 by changing the saturation by 10% instead.


 38.9618, 0.4320,
0.4547


 38.9618, 0.4320,
0.4547


341.7281, 0.3752,
0.3949


 26.7300, 0.4437,
0.4671


 73.5800, 0.4129,
0.4345


 17.3706, 0.4568,
0.4809


 96.7351, 0.4052,
0.4264


 10.4990, 0.4710,
0.4959


 124.3002, 0.3985,
0.4193

 5.7311, 0.4871,
0.5129

 156.6596, 0.3926,
0.4132

 2.6823, 0.4871,
0.5129

 194.1977, 0.3875,
0.4077

 0.9682, 0.4869,
0.5131

237.2988, 0.3829,

 0.0000, 0.0000,

0.4029

0.0000

286.3475, 0.3788,
0.3987

■ 38.9618, 0.4320,
0.4547

■ 38.9618, 0.4320,
0.4547

■ 37.2225, 0.4461,
0.4636

■ 40.8368, 0.4158,
0.4417

■ 35.6038, 0.4574,
0.4679

■ 42.8502, 0.3982,
0.4254

■ 34.0896, 0.4661,
0.4680

■ 45.0110, 0.3799,
0.4070

■ 34.0744, 0.4662,
0.4680

■ 47.3259, 0.3618,
0.3874

■ 49.8009, 0.3444,
0.3674

■ 52.4417, 0.3279,
0.3477

■ 55.2535, 0.3126,
0.3288

■ 58.2414, 0.2986,
0.3109

■ 61.4100, 0.2858,
0.2942

Harmonies

Analogous

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



38.9618, 0.4743, 0.3988



38.9618, 0.4320, 0.4547



38.9618, 0.3612, 0.4845

Triad

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



38.9618, 0.4320, 0.4547



38.9618, 0.1775, 0.2880



38.9618, 0.3273, 0.2358

Complementary

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



38.9618, 0.4320, 0.4547



12.2393, 0.1894, 0.1502

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.



38.9618, 0.2486, 0.2089



38.9618, 0.4320, 0.4547



38.9618, 0.1717, 0.2301

Square

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



38.9618, 0.4320, 0.4547



38.9618, 0.2151, 0.3756



38.9618, 0.1955, 0.2056



38.9618, 0.4125, 0.2814

Rectangle

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



38.9618, 0.4320, 0.4547



38.9618, 0.3079, 0.4739



38.9618, 0.1955, 0.2056



38.9618, 0.2990, 0.2244

Sweetspot

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



38.9637, 0.4320, 0.4547



89.5202, 0.3468, 0.3703



15.6249, 0.4913, 0.2927



18.8881, 0.3517, 0.3759



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.



38.9637, 0.4320, 0.4547



65.7882, 0.4526, 0.4665



47.2337, 0.3733, 0.5047



11.3588, 0.3270, 0.3467



22.0195, 0.4654, 0.4687



1.0487, 0.4532, 0.4784

Inverse Universe

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



12.2393, 0.1894, 0.1502



14.8870, 0.1687, 0.1113



9.5789, 0.2061, 0.1211



10.1100, 0.2983, 0.3107



3.8468, 0.1572, 0.0858



0.2737, 0.1693, 0.1294

Previews

White Background



This preview shows how the Yxy color 38.9618, 0.4320, 0.4547 looks on a white background.

Color Contrast Check

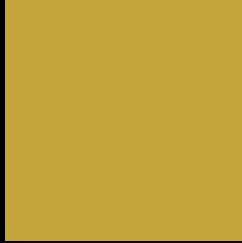
Large Text (above 18pt) WCAG AA × Fail

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 38.9618, 0.4320, 0.4547 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 38.9618, 0.4320, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 38.9618, 0.4320, 0.4547.

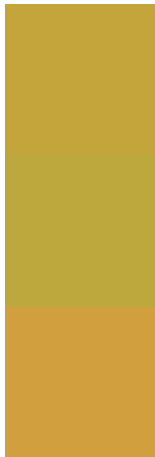


This preview shows how white text looks on a background with the Yxy color 38.9618, 0.4320, 0.4547.

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

38.9618, 0.4320, 0.4547

Protanopia

39.0229, 0.4207, 0.4617

Deuteranopia

38.6885, 0.4491, 0.4395



Tritanopia

38.7017, 0.3515, 0.3139

Trichromacy



Original Color

38.9618, 0.4320, 0.4547

Protanomaly

39.0400, 0.4246, 0.4589

Deuteranomaly

38.6534, 0.4430, 0.4452

Tritanomaly

38.4035, 0.3863, 0.3695

Monochromacy



Original Color

38.9618, 0.4320, 0.4547

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.6737, 0.3583, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9618, 0.4320, 0.4547 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, 165, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 165, 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(196, 165, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 165, 59) }
```

Border

The CSS property to change the border of an element to Yxy 38.9618, 0.4320, 0.4547 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, 165, 59) }
```

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

```
.border{ border-color:rgb(196, 165, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 165, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 165, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 165, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 165,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9618, 0.4320, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 165, 59) }
```

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

```
.background{ background-color: rgb(196,  
165, 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](#).

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