

Converting Colors

$Y_{xy}(41.2733, 0.4117, 0.4366)$

Have a look what the booklet for
Yxy(41.2733, 0.4117, 0.4366)
contains.

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Color

Yxy(41.2599, 0.4125, 0.4364)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C5AA54 |
| RGB | 197, 170, 84 |
| RGB Percent | 77%, 67%, 33% |
| CMY | 0.2274, 0.3333, 0.6708 |
| CMYK | 0.00, 0.14, 0.57, 0.23 |
| HSL | 46°, 49%, 55% |
| HSV | 46°, 57%, 77% |
| XYZ | 39.0002, 41.2599, 14.2859 |
| YIQ | 168.2690, 43.6980, -21.0220 |

Conversions

Conversions Part 2

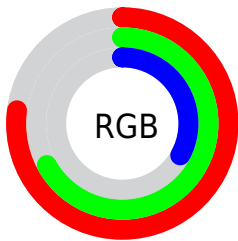
| Format | Color |
|-------------------------------------|---|
| RYB | 119, 197, 84 |
| Decimal | 12954196 |
| CIELab | 70.36, -0.68, 47.26 |
| CIElCh | 70, 47.270, 90.830 |
| Yxy | 41.2599, 0.4125, 0.4364 |
| Android (android.graphics.Color) | 4291144276 (0xFFC5AA54) |
| YUV | 168.2690, -41.5446, 25.1971 |
| Hunter-Lab | 64.2339, -4.0312, 31.7773 |

Details

The Yxy color **41.2599, 0.4125, 0.4364** 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 **17.2724, 0.2114, 0.1881**, and the grayscale version is **39.4882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8880, 0.3950, 0.4183**, and **18.6421, 0.4357, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **39.2629, 0.4296, 0.4501**, and if you desaturate by 10%, it is **43.4107, 0.3943, 0.4197**.

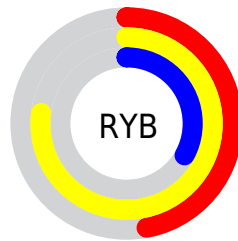
Distribution



Red (77%)

Green (67%)

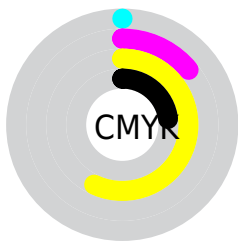
Blue (33%)



Red (47%)

Yellow (77%)

Blue (33%)

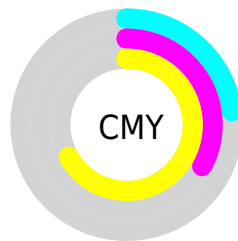


Cyan (0%)

Magenta (14%)

Yellow (57%)

Black (23%)



Cyan (23%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2599, 0.4125, 0.4364 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 41.2599, 0.4125, 0.4364 by changing the saturation by 10% instead.


 41.2599, 0.4125,
0.4364

 41.2599, 0.4125,
0.4364


351.4057, 0.3640,
0.3841


 28.5222, 0.4233,
0.4482


 77.0783, 0.3957,
0.4182


 18.7197, 0.4361,
0.4622


 100.9278, 0.3891,
0.4110


 11.4679, 0.4509,
0.4785


 129.2500, 0.3834,
0.4049

 6.3825, 0.4712,
0.5009

 162.4293, 0.3785,
0.3996

 3.0790, 0.4840,
0.5160

 200.8501, 0.3742,
0.3950

 1.1731, 0.4828,
0.5172

244.8969, 0.3704,

 0.0396, 0.3456,

0.3909

0.6544

294.9539, 0.3670,
0.3873

0.0000, 0.0000,
0.0000

41.2599, 0.4125,
0.4364

41.2599, 0.4125,
0.4364

39.2629, 0.4296,
0.4501

43.4107, 0.3943,
0.4197

37.4058, 0.4447,
0.4600

45.7167, 0.3758,
0.4011

35.6810, 0.4572,
0.4652

48.1866, 0.3576,
0.3816

34.0756, 0.4669,
0.4658

50.8263, 0.3402,
0.3619

33.6697, 0.4692,
0.4656

53.6416, 0.3239,
0.3427

■ 56.6379, 0.3089,
0.3243

■ 59.8202, 0.2952,
0.3070

■ 63.1933, 0.2829,
0.2909

■ 66.3523, 0.2753,
0.2823

Harmonies

Analogous

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



41.2599, 0.4464, 0.3923



41.2599, 0.4125, 0.4364



41.2599, 0.3537, 0.4554

Triad

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



41.2599, 0.4125, 0.4364



41.2599, 0.1987, 0.2955



41.2599, 0.3274, 0.2513

Complementary

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



41.2599, 0.4125, 0.4364



17.2724, 0.2114, 0.1881

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.



41.2599, 0.2614, 0.2277



41.2599, 0.4125, 0.4364



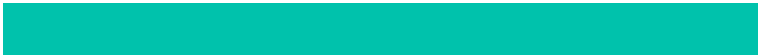
41.2599, 0.1936, 0.2467

Square

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



41.2599, 0.4125, 0.4364



41.2599, 0.2311, 0.3654



41.2599, 0.2150, 0.2249



41.2599, 0.3961, 0.2912

Rectangle

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



41.2599, 0.4125, 0.4364



41.2599, 0.3092, 0.4439



41.2599, 0.2150, 0.2249



41.2599, 0.3040, 0.2413

Sweetspot

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



41.2619, 0.4125, 0.4364



91.0875, 0.3400, 0.3617



19.3790, 0.4407, 0.2931



19.2845, 0.3435, 0.3657



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.



41.2619, 0.4125, 0.4364



69.4039, 0.4338, 0.4532



48.9801, 0.3688, 0.4770



11.9711, 0.3271, 0.3465



22.2795, 0.4684, 0.4663



1.1616, 0.4561, 0.4760

Inverse Universe

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



17.2724, 0.2114, 0.1881



22.5760, 0.1898, 0.1524



13.8238, 0.2262, 0.1567



10.6919, 0.2983, 0.3109



4.1009, 0.1578, 0.0880



0.3106, 0.1693, 0.1294

Previews

White Background



This preview shows how the Yxy color 41.2599, 0.4125, 0.4364 looks on a white background.

Color Contrast Check

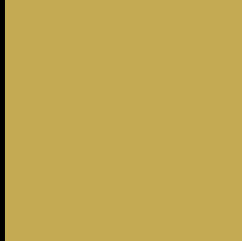
Large Text (above 18pt) WCAG AA × Fail

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 41.2599, 0.4125, 0.4364 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 41.2599, 0.4125, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 41.2599, 0.4125, 0.4364.



This preview shows how white text looks on a background with the Yxy color 41.2599, 0.4125, 0.4364.

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

41.2599, 0.4125, 0.4364

Protanopia

41.1081, 0.4034, 0.4407

Deuteranopia

41.2038, 0.4310, 0.4222



Tritanopia

41.1379, 0.3444, 0.3128

Trichromacy



Original Color

41.2599, 0.4125, 0.4364

Protanomaly

41.1192, 0.4071, 0.4382

Deuteranomaly

41.1937, 0.4246, 0.4265

Tritanomaly

41.0306, 0.3711, 0.3588

Monochromacy



Original Color

41.2599, 0.4125, 0.4364

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7658, 0.3504, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2599, 0.4125, 0.4364 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(197, 170, 84)` looks like.

```
.text, #text, p{  
    color:rgb(197, 170, 84)  
}
```

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(197, 170, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 170, 84) }
```

Border

The CSS property to change the border of an element to Yxy 41.2599, 0.4125, 0.4364 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(197, 170, 84) }
```

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

```
.border{ border-color:rgb(197, 170, 84) }
```

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

Here you see how a box with a 4 pixel rgb(197, 170, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 170, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 170, 84);  
box-shadow:4px 4px 4px 4px rgb(197, 170,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2599, 0.4125, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 170, 84) }
```

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

```
.background{ background-color: rgb(197,  
170, 84) }
```

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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