

Converting Colors

$Yxy(39.9160, 0.4241, 0.4299)$

Have a look what the booklet for
Yxy(39.9160, 0.4241, 0.4299)
contains.

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Color

Yxy(39.8566, 0.4245, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	CBA452
RGB	203, 164, 82
RGB Percent	80%, 64%, 32%
CMY	0.2039, 0.3569, 0.6784
CMYK	0.00, 0.19, 0.60, 0.20
HSL	41°, 54%, 56%
HSV	41°, 60%, 80%
XYZ	39.4293, 39.8566, 13.5982
YIQ	166.3130, 49.5660, -17.2340

Conversions

Conversions Part 2

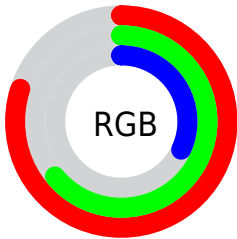
Format	Color
RYB	140, 203, 82
Decimal	13345874
CIELab	69.37, 4.94, 47.21
CIElCh	69, 47.473, 84.025
Yxy	39.8566, 0.4245, 0.4291
Android (android.graphics.Color)	4291535954 (0xFFCBA452)
YUV	166.3130, -41.5663, 32.1745
Hunter-Lab	63.1321, 1.0016, 31.4218

Details

The Yxy color **39.8566, 0.4245, 0.4291** 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 **19.7848, 0.2108, 0.1977**, and the grayscale version is **38.4814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6443, 0.3992, 0.4148**, and **18.0202, 0.4518, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **37.3112, 0.4444, 0.4407**, and if you desaturate by 10%, it is **42.6178, 0.4038, 0.4145**.

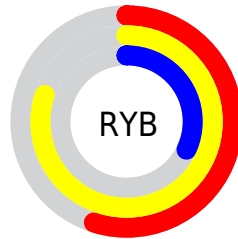
Distribution



Red (80%)

Green (64%)

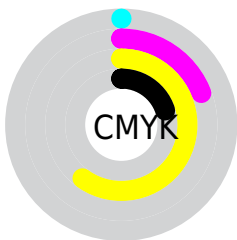
Blue (32%)



Red (55%)

Yellow (80%)

Blue (32%)

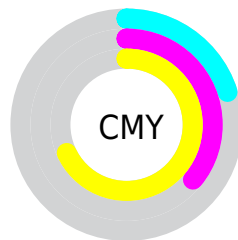


Cyan (0%)

Magenta (19%)

Yellow (60%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8566, 0.4245, 0.4291 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 39.8566, 0.4245, 0.4291 by changing the saturation by 10% instead.


 39.8566, 0.4245,
0.4291


 39.8566, 0.4245,
0.4291


345.5188, 0.3694,
0.3812

 27.4268, 0.4371,
0.4395


 74.9451, 0.4052,
0.4127


 17.8940, 0.4521,
0.4515


 98.3725, 0.3977,
0.4062

 10.8739, 0.4698,
0.4648


 126.2346, 0.3912,
0.4005

 5.9821, 0.4962,
0.4844

 158.9158, 0.3857,
0.3956

 2.8342, 0.5112,
0.4888

 196.8004, 0.3808,
0.3913

 1.0458, 0.5204,
0.4796

240.2728, 0.3766,

 0.0000, 1.0000,

0.3876

0.0000

289.7175, 0.3728,
0.3842

0.0000, 0.0000,
0.0000

39.8566, 0.4245,
0.4291

39.8566, 0.4245,
0.4291

37.3112, 0.4444,
0.4407

42.6178, 0.4038,
0.4145

34.9657, 0.4625,
0.4481

45.5982, 0.3832,
0.3978

32.8104, 0.4778,
0.4506

48.8079, 0.3634,
0.3802

30.8258, 0.4904,
0.4486

52.2546, 0.3448,
0.3624

30.7501, 0.4909,
0.4485

55.9455, 0.3277,
0.3450

■ 59.8875, 0.3121,
0.3284

■ 64.0870, 0.2981,
0.3127

■ 68.5502, 0.2856,
0.2982

■ 72.6413, 0.2799,
0.2945

Harmonies

Analogous

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



39.8566, 0.4512, 0.3813



39.8566, 0.4245, 0.4291



39.8566, 0.3690, 0.4565

Triad

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



39.8566, 0.4245, 0.4291



39.8566, 0.2021, 0.3097



39.8566, 0.3113, 0.2431

Complementary

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



39.8566, 0.4245, 0.4291



19.7848, 0.2108, 0.1977

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.



39.8566, 0.2479, 0.2237



39.8566, 0.4245, 0.4291



39.8566, 0.1907, 0.2542

Square

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



39.8566, 0.4245, 0.4291



39.8566, 0.2410, 0.3828



39.8566, 0.2064, 0.2262



39.8566, 0.3827, 0.2803

Rectangle

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



39.8566, 0.4245, 0.4291



39.8566, 0.3244, 0.4524



39.8566, 0.2064, 0.2262



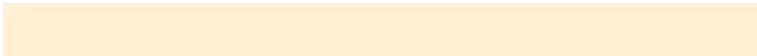
39.8566, 0.2883, 0.2344

Sweetspot

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



39.8585, 0.4245, 0.4291



88.3081, 0.3424, 0.3600



20.1470, 0.4325, 0.2794



18.5248, 0.3476, 0.3652



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.



39.8585, 0.4245, 0.4291



61.1148, 0.4507, 0.4436



53.3741, 0.3790, 0.4774



12.4631, 0.3273, 0.3447



19.7381, 0.4896, 0.4494



1.1520, 0.4726, 0.4629

Inverse Universe

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



19.7848, 0.2108, 0.1977



24.6971, 0.1900, 0.1632



13.1826, 0.2132, 0.1456



11.4247, 0.2983, 0.3128



5.3300, 0.1629, 0.1065



0.4126, 0.1741, 0.1468

Previews

White Background



This preview shows how the Yxy color 39.8566, 0.4245, 0.4291 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 39.8566, 0.4245, 0.4291 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 39.8566, 0.4245, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 39.8566, 0.4245, 0.4291.



This preview shows how white text looks on a background with the Yxy color 39.8566, 0.4245, 0.4291.

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

39.8566, 0.4245, 0.4291

Protanopia

40.0809, 0.4035, 0.4405

Deuteranopia

39.6696, 0.4321, 0.4221



Tritanopia

39.9343, 0.3562, 0.3142

Trichromacy



Original Color

39.8566, 0.4245, 0.4291

Protanomaly

39.9673, 0.4107, 0.4371

Deuteranomaly

39.7306, 0.4293, 0.4241

Tritanomaly

39.4967, 0.3835, 0.3572

Monochromacy



Original Color

39.8566, 0.4245, 0.4291

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.2432, 0.3534, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8566, 0.4245, 0.4291 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(203, 164, 82)` looks like.

```
.text, #text, p{  
    color:rgb(203, 164, 82)  
}
```

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(203, 164, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 164, 82) }
```

Border

The CSS property to change the border of an element to Yxy 39.8566, 0.4245, 0.4291 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(203, 164, 82) }
```

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

```
.border{ border-color:rgb(203, 164, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 164, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 164, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 164, 82);  
box-shadow:4px 4px 4px 4px rgb(203, 164,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8566, 0.4245, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 164, 82) }
```

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

```
.background{ background-color: rgb(203,  
164, 82) }
```

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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