

Converting Colors

$Yxy(39.9930, 0.4483, 0.4621)$

Have a look what the booklet for
Yxy(39.9930, 0.4483, 0.4621)
contains.

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Color

Yxy(39.9077, 0.4485, 0.4618)

Conversions

Conversions Part 1

Format	Color
Hex	CCA529
RGB	204, 165, 41
RGB Percent	80%, 65%, 16%
CMY	0.2000, 0.3529, 0.8395
CMYK	0.00, 0.19, 0.80, 0.20
HSL	46°, 67%, 48%
HSV	46°, 80%, 80%
XYZ	38.7583, 39.9077, 7.7517
YIQ	162.5250, 63.0480, -30.2960

Conversions

Conversions Part 2

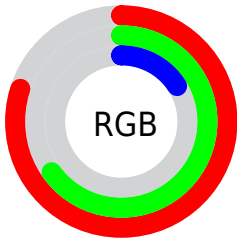
Format	Color
RYB	92, 204, 41
Decimal	13411625
CIELab	69.40, 2.66, 64.36
CIELCh	69, 64.411, 87.636
Yxy	39.9077, 0.4485, 0.4618
Android (android.graphics.Color)	4291601705 (0xFFCCA529)
YUV	162.5250, -59.9118, 36.3736
Hunter-Lab	63.1725, -1.0366, 36.9455

Details

The Yxy color **39.9077, 0.4485, 0.4618** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **10.5591, 0.1755, 0.1263**, and the grayscale version is **36.6538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3095, 0.4204, 0.4467**, and **18.0544, 0.4620, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **38.0754, 0.4602, 0.4657**, and if you desaturate by 10%, it is **41.8848, 0.4340, 0.4532**.

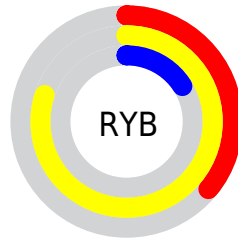
Distribution



Red (80%)

Green (65%)

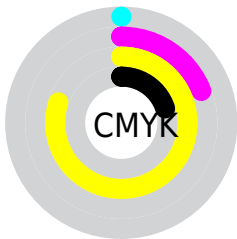
Blue (16%)



Red (36%)

Yellow (80%)

Blue (16%)

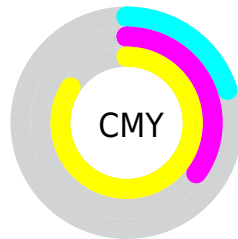


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9077, 0.4485, 0.4618 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 39.9077, 0.4485, 0.4618 by changing the saturation by 10% instead.


 39.9077, 0.4485,
0.4618


 39.9077, 0.4485,
0.4618


345.7344, 0.3855,
0.4013

 27.4666, 0.4607,
0.4730


 75.0229, 0.4279,
0.4424

 17.9240, 0.4737,
0.4846


 98.4659, 0.4194,
0.4342


 10.8954, 0.4899,
0.4986


 126.3448, 0.4119,
0.4270

 5.9965, 0.4974,
0.5026

 159.0443, 0.4053,
0.4206

 2.8430, 0.5002,
0.4998

 196.9485, 0.3995,
0.4150

 1.0503, 0.5053,
0.4947

 240.4421, 0.3943,

 0.0000, 1.0000,

0.4099

0.0000

289.9092, 0.3897,
0.4054

■ 0.0000, 0.0000,
0.0000

■ 39.9077, 0.4485,
0.4618

■ 39.9077, 0.4485,
0.4618

■ 38.0754, 0.4602,
0.4657

■ 41.8848, 0.4340,
0.4532

■ 36.3627, 0.4694,
0.4655

■ 44.0115, 0.4173,
0.4404

■ 36.3517, 0.4694,
0.4655

■ 46.2991, 0.3992,
0.4244

■ 48.7557, 0.3807,
0.4061

■ 51.3885, 0.3623,
0.3867

■ 54.2046, 0.3446,
0.3670

■ 57.2100, 0.3280,
0.3476

■ 60.4108, 0.3126,
0.3289

■ 63.8126, 0.2986,
0.3112

Harmonies

Analogous

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



39.9077, 0.4941, 0.3974



39.9077, 0.4485, 0.4618



39.9077, 0.3710, 0.5032

Triad

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



39.9077, 0.4485, 0.4618



39.9077, 0.1653, 0.2883



39.9077, 0.3205, 0.2230

Complementary

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



39.9077, 0.4485, 0.4618



10.5591, 0.1755, 0.1263

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.



39.9077, 0.2351, 0.1957



39.9077, 0.4485, 0.4618



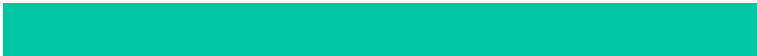
39.9077, 0.1571, 0.2220

Square

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



39.9077, 0.4485, 0.4618



39.9077, 0.2082, 0.3899



39.9077, 0.1802, 0.1937



39.9077, 0.4177, 0.2710

Rectangle

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



39.9077, 0.4485, 0.4618



39.9077, 0.3123, 0.4977



39.9077, 0.1802, 0.1937



39.9077, 0.2893, 0.2113

Sweetspot

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



39.9096, 0.4485, 0.4618



87.6790, 0.3523, 0.3756



15.0249, 0.5270, 0.2911



18.4095, 0.3587, 0.3828



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.



39.9096, 0.4485, 0.4618



60.9630, 0.4669, 0.4656



51.1620, 0.3778, 0.5204



12.6242, 0.3271, 0.3465



23.0280, 0.4686, 0.4662



1.3005, 0.4570, 0.4753

Inverse Universe

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



10.5591, 0.1755, 0.1263



11.5121, 0.1591, 0.0902



7.7221, 0.1877, 0.0957



11.2725, 0.2983, 0.3108



4.2379, 0.1578, 0.0879



0.3402, 0.1685, 0.1265

Previews

White Background



This preview shows how the Yxy color 39.9077, 0.4485, 0.4618 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 39.9077, 0.4485, 0.4618 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 39.9077, 0.4485, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 39.9077, 0.4485, 0.4618.



This preview shows how white text looks on a background with the Yxy color 39.9077, 0.4485, 0.4618.

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

39.9077, 0.4485, 0.4618

Protanopia

39.9930, 0.4305, 0.4746

Deuteranopia

39.8103, 0.4602, 0.4511



Tritanopia

39.8614, 0.3595, 0.3143

Trichromacy



Original Color

39.9077, 0.4485, 0.4618

Protanomaly

39.9082, 0.4373, 0.4694

Deuteranomaly

39.7095, 0.4568, 0.4545

Tritanomaly

39.3895, 0.4003, 0.3757

Monochromacy



Original Color

39.9077, 0.4485, 0.4618

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3478, 0.3675, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9077, 0.4485, 0.4618 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(204, 165, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 41)  
}
```

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(204, 165, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 41) }
```

Border

The CSS property to change the border of an element to Yxy 39.9077, 0.4485, 0.4618 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(204, 165, 41) }
```

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

```
.border{ border-color:rgb(204, 165, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9077, 0.4485, 0.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 41) }
```

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

```
.background{ background-color: rgb(204,  
165, 41) }
```

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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