

# Converting Colors

$Yxy(33.9717, 0.4390, 0.4277)$

Have a look what the booklet for  
Yxy(33.9717, 0.4390, 0.4277)  
contains.

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# Color

**Yxy(33.9907, 0.4386, 0.4287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C49646
RGB	196, 150, 70
RGB Percent	77%, 59%, 27%
CMY	0.2314, 0.4117, 0.7255
CMYK	0.00, 0.23, 0.64, 0.23
HSL	38°, 52%, 52%
HSV	38°, 64%, 77%
XYZ	34.7756, 33.9907, 10.5215
YIQ	154.6340, 53.0960, -15.1280

# Conversions

## Conversions Part 2

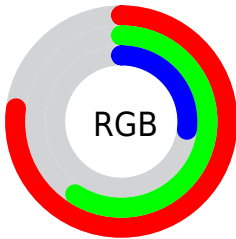
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">142, 196, 70</a>
Decimal	<a href="#">12883526</a>
CIELab	<a href="#">64.96, 8.67, 47.80</a>
CIELCh	<a href="#">65, 48.580, 79.719</a>
Yxy	<a href="#">33.9907, 0.4386, 0.4287</a>
Android (android.graphics.Color)	<a href="#">4291073606</a> ( <a href="#">0xFFC49646</a> )
YUV	<a href="#">154.6340, -41.7246, 36.2780</a>
Hunter-Lab	<a href="#">58.3015, 4.4438, 30.1112</a>

# Details

The Yxy color **33.9907, 0.4386, 0.4287** 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 **17.7742, 0.2055, 0.1950**, and the grayscale version is **32.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8262, 0.4158, 0.4129**, and **14.4563, 0.4721, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **31.5700, 0.4596, 0.4377**, and if you desaturate by 10%, it is **36.6349, 0.4166, 0.4162**.

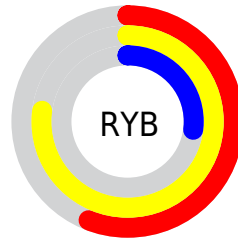
# Distribution



Red (77%)

Green (59%)

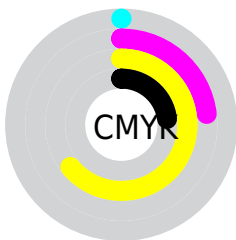
Blue (27%)



Red (56%)

Yellow (77%)

Blue (27%)

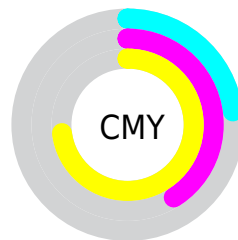


Cyan (0%)

Magenta (23%)

Yellow (64%)

Black (23%)



Cyan (23%)

Magenta (41%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9907, 0.4386, 0.4287 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 33.9907, 0.4386, 0.4287 by changing the saturation by 10% instead.





 33.9907, 0.4386,  
0.4287


 33.9907, 0.4386,  
0.4287


320.0906, 0.3750,  
0.3810

 22.8865, 0.4534,  
0.4386


 65.9192, 0.4160,  
0.4125

 14.5097, 0.4711,  
0.4496


 87.5123, 0.4073,  
0.4061


 8.4760, 0.4919,  
0.4608


 113.3704, 0.3999,  
0.4004

 4.4010, 0.5232,  
0.4768

 143.8779, 0.3935,  
0.3955

 1.9003, 0.5345,  
0.4655

 179.4193, 0.3880,  
0.3912

 0.5486, 0.5720,  
0.4280

220.3790, 0.3831,

 0.0000, 0.0000,

0.3874

0.0000

267.1413, 0.3788,  
0.3840

■ 33.9907, 0.4386,  
0.4287

■ 33.9907, 0.4386,  
0.4287

■ 31.5700, 0.4596,  
0.4377

■ 36.6349, 0.4166,  
0.4162

■ 29.3571, 0.4785,  
0.4421

■ 39.5070, 0.3947,  
0.4012

■ 27.3412, 0.4943,  
0.4414

■ 42.6175, 0.3736,  
0.3849

■ 26.2660, 0.5023,  
0.4394

■ 45.9743, 0.3538,  
0.3681

■ 49.5849, 0.3357,  
0.3516

■ 53.4565, 0.3192,  
0.3356

■ 57.5958, 0.3045,  
0.3205

■ 62.0091, 0.2914,  
0.3064

■ 66.7028, 0.2798,  
0.2934

# Harmonies

## Analogous

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



33.9907, 0.4623, 0.3756



33.9907, 0.4386, 0.4287



33.9907, 0.3820, 0.4643

# Triad

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



33.9907, 0.4386, 0.4287



33.9907, 0.1984, 0.3182



33.9907, 0.3000, 0.2332

# Complementary

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



33.9907, 0.4386, 0.4287



17.7742, 0.2055, 0.1950

# 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.



33.9907, 0.2351, 0.2156



33.9907, 0.4386, 0.4287



33.9907, 0.1826, 0.2549

# Square

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



33.9907, 0.4386, 0.4287



33.9907, 0.2435, 0.3985



33.9907, 0.1952, 0.2215



33.9907, 0.3774, 0.2702



# Rectangle

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



33.9907, 0.4386, 0.4287



33.9907, 0.3349, 0.4659



33.9907, 0.1952, 0.2215



33.9907, 0.2761, 0.2249

# Sweetspot

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



33.9924, 0.4386, 0.4287



86.4950, 0.3445, 0.3598



17.3805, 0.4397, 0.2718



18.1110, 0.3499, 0.3646



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.



33.9924, 0.4386, 0.4287



55.5781, 0.4673, 0.4400



49.5263, 0.3860, 0.4842



11.1201, 0.3273, 0.3436



17.0467, 0.5008, 0.4405



0.8640, 0.4782, 0.4585



# Inverse Universe

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



17.7742, 0.2055, 0.1950



24.1880, 0.1859, 0.1614



10.3817, 0.2012, 0.1301



10.3365, 0.2984, 0.3140



5.6513, 0.1662, 0.1182



0.3760, 0.1790, 0.1645



# Previews

## White Background



This preview shows how the Yxy color 33.9907, 0.4386, 0.4287 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 33.9907, 0.4386, 0.4287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

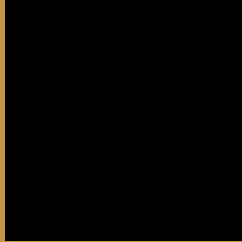
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.9907, 0.4386, 0.4287**

## Background



This preview shows how black text looks on a background with the Yxy color 33.9907, 0.4386, 0.4287.



This preview shows how white text looks on a background with the Yxy color 33.9907, 0.4386, 0.4287.

# 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

33.9907, 0.4386, 0.4287

### Protanopia

34.0356, 0.4080, 0.4468

### Deuteranopia

33.9907, 0.4386, 0.4287



## Tritanopia

33.8733, 0.3676, 0.3149

# Trichromacy



## Original Color

33.9907, 0.4386, 0.4287

## Protanomaly

33.9649, 0.4197, 0.4402

## Deuteranomaly

33.9907, 0.4386, 0.4287

## Tritanomaly

33.6310, 0.3974, 0.3583

# Monochromacy



## Original Color

33.9907, 0.4386, 0.4287

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

32.7837, 0.3587, 0.3720

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9907, 0.4386, 0.4287 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, 150, 70)` looks like.

```
.text, #text, p{  
    color:rgb(196, 150, 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(196, 150, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 150, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9907, 0.4386, 0.4287 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, 150, 70) }
```

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

```
.border{ border-color:rgb(196, 150, 70) }
```

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

Here you see how a box with a 4 pixel rgb(196, 150, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 150, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 150, 70);  
box-shadow:4px 4px 4px 4px rgb(196, 150,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9907, 0.4386, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 150, 70) }
```

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

```
.background{ background-color: rgb(196,  
150, 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](#).

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