

# Converting Colors

$Yxy(39.6596, 0.4027, 0.3806)$

Have a look what the booklet for  
Yxy(39.6596, 0.4027, 0.3806)  
contains.

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# Color

**Yxy(39.6596, 0.4027, 0.3806)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D19F76
RGB	209, 159, 118
RGB Percent	82%, 62%, 46%
CMY	0.1804, 0.3764, 0.5373
CMYK	0.00, 0.24, 0.44, 0.18
HSL	27°, 50%, 64%
HSV	27°, 44%, 82%
XYZ	41.9625, 39.6596, 22.5808
YIQ	169.2760, 42.9610, -2.1510

# Conversions

## Conversions Part 2

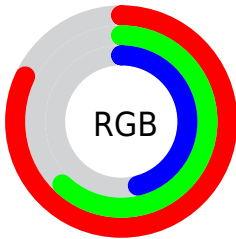
Format	Color
<a href="#">RYB</a>	<a href="#">209, 193, 118</a>
Decimal	<a href="#">13737846</a>
CIELab	<a href="#">69.23, 13.37, 28.56</a>
CIElCh	<a href="#">69, 31.533, 64.914</a>
Yxy	<a href="#">39.6596, 0.4027, 0.3806</a>
Android (android.graphics.Color)	<a href="#">4291927926</a> ( <a href="#">0xFFD19F76</a> )
YUV	<a href="#">169.2760, -25.2791, 34.8379</a>
Hunter-Lab	<a href="#">62.9759, 8.7315, 22.8240</a>

# Details

The Yxy color **39.6596, 0.4027, 0.3806** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.4560, 0.2442, 0.2699**, and the grayscale version is **39.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2934, 0.3752, 0.3734**, and **17.8302, 0.4283, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **35.4510, 0.4304, 0.3915**, and if you desaturate by 10%, it is **44.3489, 0.3775, 0.3686**.

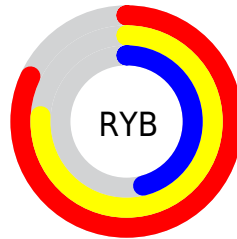
# Distribution



Red (82%)

Green (62%)

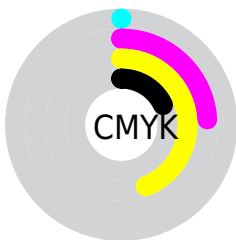
Blue (46%)



Red (82%)

Yellow (76%)

Blue (46%)

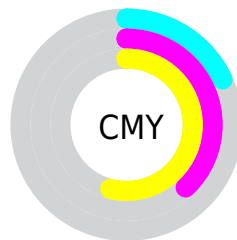


Cyan (0%)

Magenta (24%)

Yellow (44%)

Black (18%)



Cyan (18%)

Magenta (38%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6596, 0.4027, 0.3806 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 39.6596, 0.4027, 0.3806 by changing the saturation by 10% instead.





 39.6596, 0.4027,  
0.3806


 39.6596, 0.4027,  
0.3806


344.6867, 0.3565,  
0.3559

 27.2732, 0.4144,  
0.3862


 74.6449, 0.3857,  
0.3720

 17.7785, 0.4294,  
0.3930


 98.0126, 0.3794,  
0.3686

 10.7911, 0.4491,  
0.4011


 125.8096, 0.3741,  
0.3657

 5.9265, 0.4759,  
0.4104

158.4201, 0.3695,  
0.3632

 2.8005, 0.5235,  
0.4276

196.2288, 0.3656,  
0.3610

 1.0285, 0.5737,  
0.4263

239.6198, 0.3622,

 0.0000, 1.0000,

0.3591

0.0000

288.9777, 0.3592,  
0.3574

■ 0.0000, 0.0000,  
0.0000

■ 39.6596, 0.4027,  
0.3806

■ 39.6596, 0.4027,  
0.3806

■ 35.4510, 0.4304,  
0.3915

■ 44.3489, 0.3775,  
0.3686

■ 31.7002, 0.4599,  
0.4003

■ 49.5294, 0.3550,  
0.3563

■ 28.3903, 0.4897,  
0.4057


■ 55.2185, 0.3353,  
0.3443

■ 25.5011, 0.5179,  
0.4063

■ 61.4307, 0.3182,  
0.3329


■ 23.0096, 0.5425,  
0.4016

■ 68.1799, 0.3034,  
0.3222

 21.5936, 0.5564,  
0.3964

 75.4796, 0.2906,  
0.3123

 82.7294, 0.2846,  
0.3126

 89.6815, 0.2852,  
0.3246

 92.2954, 0.2855,  
0.3289

# Harmonies

## Analogous

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



39.6596, 0.4019, 0.3448



39.6596, 0.4027, 0.3806



39.6596, 0.3781, 0.4067

# Triad

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



39.6596, 0.4027, 0.3806



39.6596, 0.2527, 0.3476



39.6596, 0.2837, 0.2585

# Complementary

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



39.6596, 0.4027, 0.3806



36.4560, 0.2442, 0.2699

# 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.



39.6596, 0.2479, 0.2552



39.6596, 0.4027, 0.3806



39.6596, 0.2310, 0.3026

# Square

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



39.6596, 0.4027, 0.3806



39.6596, 0.2909, 0.3901



39.6596, 0.2295, 0.2699



39.6596, 0.3302, 0.2775



# Rectangle

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



39.6596, 0.4027, 0.3806



39.6596, 0.3517, 0.4133



39.6596, 0.2295, 0.2699



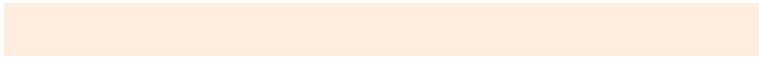
39.6596, 0.2702, 0.2555

# Sweetspot

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



39.6615, 0.4027, 0.3806



86.9720, 0.3346, 0.3439



29.3399, 0.3628, 0.2672



18.1726, 0.3387, 0.3465



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.



39.6615, 0.4027, 0.3806



56.1945, 0.4277, 0.3906



58.2634, 0.3791, 0.4309



12.6730, 0.3279, 0.3395



13.5051, 0.5540, 0.3983



0.9126, 0.5232, 0.4228



# Inverse Universe

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



36.4560, 0.2442, 0.2699



50.5269, 0.2306, 0.2550



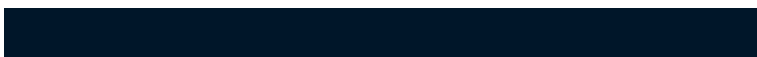
22.5079, 0.2326, 0.2013



12.4788, 0.2983, 0.3183



10.5721, 0.1821, 0.1756



0.7485, 0.1907, 0.2063



# Previews

## White Background



This preview shows how the Yxy color 39.6596, 0.4027, 0.3806 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 39.6596, 0.4027, 0.3806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

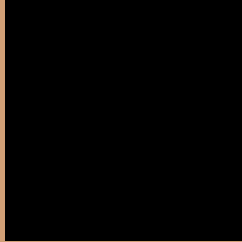
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.6596, 0.4027, 0.3806**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6596, 0.4027, 0.3806.



This preview shows how white text looks on a background with the Yxy color 39.6596, 0.4027, 0.3806.

# 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

39.6596, 0.4027, 0.3806

### Protanopia

39.7262, 0.3668, 0.3939

### Deuteranopia

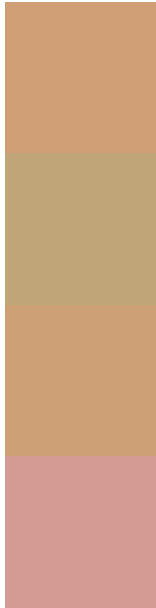
39.6816, 0.3949, 0.3870



## Tritanopia

39.6452, 0.3618, 0.3144

# Trichromacy



**Original Color**

39.6596, 0.4027, 0.3806

**Protanomaly**

39.4972, 0.3795, 0.3879

**Deuteranomaly**

39.7532, 0.3985, 0.3851

**Tritanomaly**

39.5779, 0.3775, 0.3379

# Monochromacy



**Original Color**

39.6596, 0.4027, 0.3806

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.3026, 0.3445, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6596, 0.4027, 0.3806 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(209, 159, 118)` looks like.

```
.text, #text, p{  
    color:rgb(209, 159, 118)  
}
```

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(209, 159, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 159, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6596, 0.4027, 0.3806 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(209, 159, 118) }
```

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

```
.border{ border-color:rgb(209, 159, 118) }
```

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

Here you see how a box with a 4 pixel rgb(209, 159, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 159, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 159, 118);  
box-shadow:4px 4px 4px 4px rgb(209, 159,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6596, 0.4027, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 159, 118) }
```

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

```
.background{ background-color: rgb(209,  
159, 118) }
```

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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