

# Converting Colors

$Y_{xy}(41.3539, 0.4198, 0.3706)$

Have a look what the booklet for  
Yxy(41.3539, 0.4198, 0.3706)  
contains.

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# Color

**Yxy(41.4639, 0.4203, 0.3711)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E39C78
RGB	227, 156, 120
RGB Percent	89%, 61%, 47%
CMY	0.1098, 0.3882, 0.5293
CMYK	0.00, 0.31, 0.47, 0.11
HSL	20°, 66%, 68%
HSV	20°, 47%, 89%
XYZ	46.9611, 41.4639, 23.3074
YIQ	173.1250, 53.8720, 3.8560

# Conversions

## Conversions Part 2

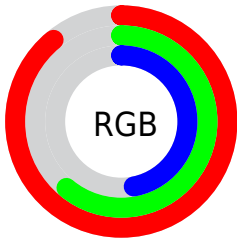
Format	Color
R <sub>Y</sub> B	227, 174, 120
Decimal	14916728
CIE Lab	70.50, 22.44, 29.50
CIE LCh	70, 37.060, 52.745
Yxy	41.4639, 0.4203, 0.3711
Android (android.graphics.Color)	4293106808 (0xFFE39C78)
YUV	173.1250, -26.1906, 47.2484
Hunter-Lab	64.3925, 17.4924, 23.6142

# Details

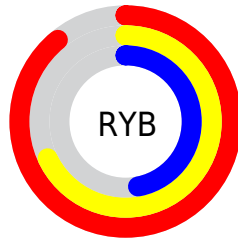
The Yxy color **41.4639, 0.4203, 0.3711** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.8227, 0.2415, 0.2809**, and the grayscale version is **41.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8657, 0.3747, 0.3684**, and **18.7906, 0.4522, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **36.2309, 0.4532, 0.3786**, and if you desaturate by 10%, it is **47.4590, 0.3908, 0.3623**.

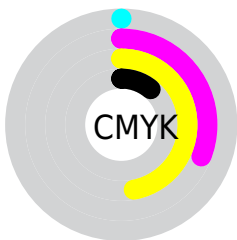
# Distribution



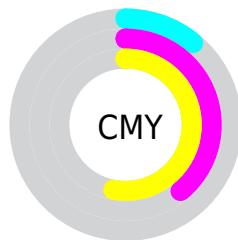
- Red (89%)
- Green (61%)
- Blue (47%)



- Red (89%)
- Yellow (68%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (11%)




- Cyan (11%)
- Magenta (39%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4639, 0.4203, 0.3711 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 41.4639, 0.4203, 0.3711 by changing the saturation by 10% instead.





 41.4639, 0.4203,  
0.3711


 41.4639, 0.4203,  
0.3711

352.2558, 0.3653,  
0.3522

 28.6817, 0.4341,  
0.3749

 77.3876, 0.4002,  
0.3649

 18.8402, 0.4518,  
0.3791


 101.2980, 0.3927,  
0.3623

 11.5549, 0.4749,  
0.3836


 129.6865, 0.3863,  
0.3601

 6.4414, 0.5062,  
0.3873

162.9376, 0.3809,  
0.3582

 3.1153, 0.5562,  
0.3923

201.4357, 0.3762,  
0.3564

 1.1922, 0.6194,  
0.3806

245.5652, 0.3721,

 0.0553, 0.9156,

0.3549

0.0844

295.7104, 0.3685,  
0.3535

0.0000, 0.0000,  
0.0000

41.4639, 0.4203,  
0.3711

41.4639, 0.4203,  
0.3711

36.2309, 0.4532,  
0.3786

47.4590, 0.3908,  
0.3623

31.7217, 0.4884,  
0.3836

54.2404, 0.3651,  
0.3530

27.9034, 0.5237,  
0.3849

61.8383, 0.3430,  
0.3438

24.7378, 0.5561,  
0.3814

70.2798, 0.3243,  
0.3349

22.1805, 0.5825,  
0.3730

79.5905, 0.3084,  
0.3267

■ 21.5459, 0.5893,  
0.3703

■ 89.7149, 0.2957,  
0.3203

■ 95.0725, 0.2958,  
0.3290

# Harmonies

## Analogous

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



41.4639, 0.4067, 0.3289



41.4639, 0.4203, 0.3711



41.4639, 0.4023, 0.4077

# Triad

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



41.4639, 0.4203, 0.3711



41.4639, 0.2592, 0.3724



41.4639, 0.2605, 0.2447

# Complementary

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



41.4639, 0.4203, 0.3711



46.8227, 0.2415, 0.2809

# 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.



41.4639, 0.2274, 0.2485



41.4639, 0.4203, 0.3711



41.4639, 0.2264, 0.3179

# Square

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



41.4639, 0.4203, 0.3711



41.4639, 0.3080, 0.4150



41.4639, 0.2156, 0.2732



41.4639, 0.3100, 0.2596



# Rectangle

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



41.4639, 0.4203, 0.3711



41.4639, 0.3764, 0.4232



41.4639, 0.2156, 0.2732



41.4639, 0.2473, 0.2438

# Sweetspot

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



41.4659, 0.4203, 0.3711



83.7116, 0.3370, 0.3410



33.5504, 0.3548, 0.2488



17.4228, 0.3413, 0.3430



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.



41.4659, 0.4203, 0.3711



47.0087, 0.4540, 0.3788



63.3790, 0.3907, 0.4275



15.1558, 0.3284, 0.3370



12.7573, 0.5866, 0.3724



1.1093, 0.5583, 0.3949

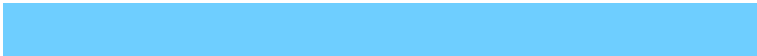


# Inverse Universe

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



46.8227, 0.2415, 0.2809



54.7191, 0.2282, 0.2683



27.6794, 0.2277, 0.2054



15.4772, 0.2981, 0.3209



16.3065, 0.1932, 0.2154



1.3747, 0.1983, 0.2340



# Previews

## White Background



This preview shows how the Yxy color 41.4639, 0.4203, 0.3711 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 41.4639, 0.4203, 0.3711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

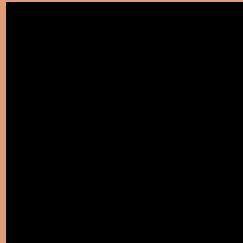
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4639, 0.4203, 0.3711**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4639, 0.4203, 0.3711.



This preview shows how white text looks on a background with the Yxy color 41.4639, 0.4203, 0.3711.

# 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

41.4639, 0.4203, 0.3711

### Protanopia

41.8585, 0.3648, 0.3913

### Deuteranopia

41.4837, 0.3974, 0.3882



## Tritanopia

41.4103, 0.3837, 0.3154

# Trichromacy



**Original Color**

41.4639, 0.4203, 0.3711

**Protanomaly**

41.5102, 0.3849, 0.3845

**Deuteranomaly**

41.4687, 0.4050, 0.3819

**Tritanomaly**

41.3861, 0.3977, 0.3351

# Monochromacy



**Original Color**

41.4639, 0.4203, 0.3711

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

41.3080, 0.3491, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4639, 0.4203, 0.3711 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(227, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(227, 156, 120)  
}
```

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(227, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 156, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4639, 0.4203, 0.3711 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(227, 156, 120) }
```

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

```
.border{ border-color:rgb(227, 156, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 156, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(227, 156,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4639, 0.4203, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 156, 120) }
```

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

```
.background{ background-color: rgb(227,  
156, 120) }
```

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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