

# Converting Colors

$Yxy(41.3968, 0.4341, 0.3930)$

Have a look what the booklet for  
Yxy(41.3968, 0.4341, 0.3930)  
contains.

<b>Yxy(41.4206, 0.4340, 0.3935)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.4206, 0.4340, 0.3935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E19E66
RGB	225, 158, 102
RGB Percent	88%, 62%, 40%
CMY	0.1175, 0.3804, 0.6000
CMYK	0.00, 0.30, 0.55, 0.12
HSL	27°, 67%, 64%
HSV	27°, 55%, 88%
XYZ	45.6837, 41.4206, 18.1577
YIQ	171.6490, 57.9080, -3.2120

# Conversions

## Conversions Part 2

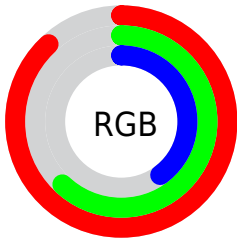
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 205, 102
Decimal	14786150
CIE Lab	70.47, 18.95, 39.00
CIE LCh	70, 43.359, 64.088
Yxy	41.4206, 0.4340, 0.3935
Android (android.graphics.Color)	4292976230 (0xFFE19E66)
YUV	171.6490, -34.3370, 46.7888
Hunter-Lab	64.3588, 14.0763, 28.3236

# Details

The Yxy color **41.4206, 0.4340, 0.3935** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.6543, 0.2271, 0.2502**, and the grayscale version is **41.2247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1816, 0.3880, 0.3898**, and **18.6721, 0.4676, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **37.0587, 0.4635, 0.4020**, and if you desaturate by 10%, it is **46.3252, 0.4060, 0.3826**.

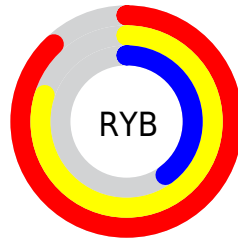
# Distribution



Red (88%)

Green (62%)

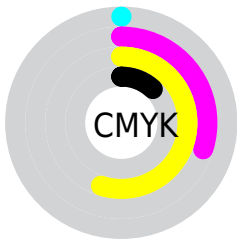
Blue (40%)



Red (88%)

Yellow (80%)

Blue (40%)

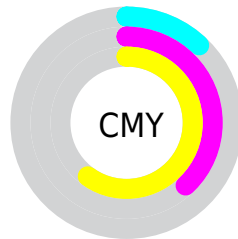


Cyan (0%)

Magenta (30%)

Yellow (55%)

Black (12%)



Cyan (12%)

Magenta (38%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4206, 0.4340, 0.3935 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 41.4206, 0.4340, 0.3935 by changing the saturation by 10% instead.





 41.4206, 0.4340,  
0.3935

 41.4206, 0.4340,  
0.3935

352.0754, 0.3728,  
0.3643


 28.6479, 0.4488,  
0.3993


 77.3220, 0.4120,  
0.3839


 18.8146, 0.4674,  
0.4058


 101.2194, 0.4036,  
0.3800

 11.5364, 0.4909,  
0.4124


 129.5939, 0.3965,  
0.3765

 6.4288, 0.5208,  
0.4178

 162.8298, 0.3904,  
0.3735

 3.1076, 0.5721,  
0.4279

201.3115, 0.3851,  
0.3708

 1.1881, 0.6011,  
0.3989

245.4234, 0.3805,

 0.0520, 0.9078,

0.3684

0.0922

295.5499, 0.3764,  
0.3663

0.0000, 0.0000,  
0.0000

41.4206, 0.4340,  
0.3935

41.4206, 0.4340,  
0.3935

37.0587, 0.4635,  
0.4020

46.3252, 0.4060,  
0.3826

33.2111, 0.4931,  
0.4069

51.7869, 0.3804,  
0.3706

29.8555, 0.5209,  
0.4069

57.8270, 0.3576,  
0.3581

26.9641, 0.5447,  
0.4014

64.4639, 0.3375,  
0.3459

25.5959, 0.5559,  
0.3968

71.7148, 0.3200,  
0.3342

■ 79.5963, 0.3049,  
0.3233

■ 87.8294, 0.2944,  
0.3176

■ 94.7525, 0.2946,  
0.3289

# Harmonies

## Analogous

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



41.4206, 0.4332, 0.3459



41.4206, 0.4340, 0.3935



41.4206, 0.4002, 0.4317

# Triad

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



41.4206, 0.4340, 0.3935



41.4206, 0.2333, 0.3553



41.4206, 0.2716, 0.2365

# Complementary

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



41.4206, 0.4340, 0.3935



36.6543, 0.2271, 0.2502

# 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.



41.4206, 0.2259, 0.2319



41.4206, 0.4340, 0.3935



41.4206, 0.2054, 0.2929

# Square

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



41.4206, 0.4340, 0.3935



41.4206, 0.2835, 0.4156



41.4206, 0.2032, 0.2501



41.4206, 0.3336, 0.2604



# Rectangle

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



41.4206, 0.4340, 0.3935



41.4206, 0.3646, 0.4439



41.4206, 0.2032, 0.2501



41.4206, 0.2541, 0.2326

# Sweetspot

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



41.4226, 0.4340, 0.3935



84.2717, 0.3402, 0.3476



28.4054, 0.3825, 0.2524



17.6376, 0.3442, 0.3501



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.



41.4226, 0.4340, 0.3935



48.2414, 0.4689, 0.4032



67.5719, 0.3948, 0.4540



14.7229, 0.3281, 0.3397



14.9723, 0.5533, 0.3989



1.2151, 0.5274, 0.4194



# Inverse Universe

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



36.6543, 0.2271, 0.2502



41.2353, 0.2111, 0.2294



19.0204, 0.2088, 0.1624



14.4748, 0.2981, 0.3181



11.4759, 0.1816, 0.1736



0.9738, 0.1888, 0.1996



# Previews

## White Background



This preview shows how the Yxy color 41.4206, 0.4340, 0.3935 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 41.4206, 0.4340, 0.3935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

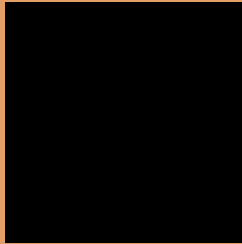
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4206, 0.4340, 0.3935**

## Background



This preview shows how black text looks on a background with the Yxy color 41.4206, 0.4340, 0.3935.



This preview shows how white text looks on a background with the Yxy color 41.4206, 0.4340, 0.3935.

# 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

41.4206, 0.4340, 0.3935

### Protanopia

41.6612, 0.3829, 0.4155

### Deuteranopia

41.5515, 0.4154, 0.4072



## Tritanopia

41.5648, 0.3824, 0.3165

# Trichromacy



**Original Color**

41.4206, 0.4340, 0.3935

**Protanomaly**

41.4634, 0.4003, 0.4079

**Deuteranomaly**

41.2273, 0.4223, 0.4022

**Tritanomaly**

41.4986, 0.4022, 0.3457

# Monochromacy



**Original Color**

41.4206, 0.4340, 0.3935

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

40.8204, 0.3536, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4206, 0.4340, 0.3935 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(225, 158, 102)` looks like.

```
.text, #text, p{  
    color:rgb(225, 158, 102)  
}
```

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(225, 158, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 158, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4206, 0.4340, 0.3935 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(225, 158, 102) }
```

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

```
.border{ border-color:rgb(225, 158, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 158, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 158, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 158, 102); box-shadow:4px 4px 4px 4px rgb(225, 158, 102) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4206, 0.4340, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 158, 102) }
```

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

```
.background{ background-color: rgb(225,  
158, 102) }
```

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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