

# Converting Colors

$Yxy(39.8022, 0.4206, 0.3948)$

Have a look what the booklet for  
Yxy(39.8022, 0.4206, 0.3948)  
contains.

<b>Yxy(39.7493, 0.4215, 0.3946)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.7493, 0.4215, 0.3946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D69E68
RGB	214, 158, 104
RGB Percent	84%, 62%, 41%
CMY	0.1607, 0.3804, 0.5922
CMYK	0.00, 0.26, 0.51, 0.16
HSL	29°, 57%, 62%
HSV	29°, 51%, 84%
XYZ	42.4590, 39.7493, 18.5248
YIQ	168.5880, 50.7100, -4.9220

# Conversions

## Conversions Part 2

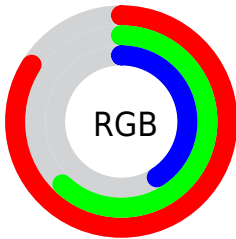
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 210, 104
Decimal	14065256
CIE Lab	69.29, 14.59, 36.23
CIE LCh	69, 39.057, 68.067
Yxy	39.7493, 0.4215, 0.3946
Android (android.graphics.Color)	4292255336 (0xFFD69E68)
YUV	168.5880, -31.8419, 39.8263
Hunter-Lab	63.0470, 9.8785, 26.7120

# Details

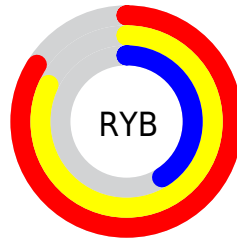
The Yxy color **39.7493, 0.4215, 0.3946** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.9354, 0.2309, 0.2500**, and the grayscale version is **39.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2488, 0.3866, 0.3878**, and **17.8591, 0.4515, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **35.8169, 0.4491, 0.4049**, and if you desaturate by 10%, it is **44.1254, 0.3954, 0.3824**.

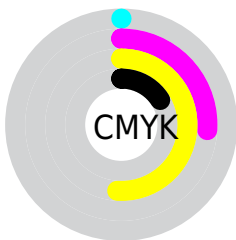
# Distribution



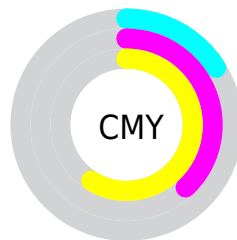
- Red (84%)
- Green (62%)
- Blue (41%)



- Red (84%)
- Yellow (82%)
- Blue (41%)



- Cyan (0%)
- Magenta (26%)
- Yellow (51%)
- Black (16%)




- Cyan (16%)
- Magenta (38%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7493, 0.4215, 0.3946 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 39.7493, 0.4215, 0.3946 by changing the saturation by 10% instead.





 39.7493, 0.4215,  
0.3946


 39.7493, 0.4215,  
0.3946


345.0658, 0.3662,  
0.3638

 27.3431, 0.4351,  
0.4012


 74.7816, 0.4014,  
0.3841


 17.8311, 0.4523,  
0.4089


 98.1765, 0.3939,  
0.3799

 10.8288, 0.4742,  
0.4175


 126.0032, 0.3875,  
0.3763

 5.9518, 0.5026,  
0.4260

 158.6459, 0.3820,  
0.3732

 2.8158, 0.5558,  
0.4442

196.4891, 0.3772,  
0.3704

 1.0363, 0.5808,  
0.4192

239.9173, 0.3731,

 0.0000, 1.0000,

0.3679

0.0000

289.3147, 0.3694,  
0.3657

0.0000, 0.0000,  
0.0000

39.7493, 0.4215,  
0.3946

39.7493, 0.4215,  
0.3946

35.8169, 0.4491,  
0.4049

44.1254, 0.3954,  
0.3824

32.3053, 0.4771,  
0.4119

48.9553, 0.3716,  
0.3692

29.1979, 0.5038,  
0.4145

54.2556, 0.3502,  
0.3559

26.4737, 0.5274,  
0.4117

60.0405, 0.3314,  
0.3430

24.4161, 0.5448,  
0.4056

66.3234, 0.3149,  
0.3307

■ 73.1170, 0.3005,  
0.3192

■ 80.4336, 0.2880,  
0.3086

■ 86.9158, 0.2879,  
0.3188

■ 93.0381, 0.2883,  
0.3289

# Harmonies

## Analogous

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



39.7493, 0.4249, 0.3513



39.7493, 0.4215, 0.3946



39.7493, 0.3875, 0.4265

# Triad

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



39.7493, 0.4215, 0.3946



39.7493, 0.2351, 0.3453



39.7493, 0.2822, 0.2454

# Complementary

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



39.7493, 0.4215, 0.3946



32.9354, 0.2309, 0.2500

# 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.



39.7493, 0.2373, 0.2388



39.7493, 0.4215, 0.3946



39.7493, 0.2121, 0.2901

# Square

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



39.7493, 0.4215, 0.3946



39.7493, 0.2794, 0.4013



39.7493, 0.2131, 0.2532



39.7493, 0.3400, 0.2698



# Rectangle

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



39.7493, 0.4215, 0.3946



39.7493, 0.3538, 0.4341



39.7493, 0.2131, 0.2532



39.7493, 0.2652, 0.2411

# Sweetspot

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



39.7512, 0.4215, 0.3946



85.9770, 0.3381, 0.3478



26.7614, 0.3811, 0.2608



18.0100, 0.3421, 0.3505



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.



39.7512, 0.4215, 0.3946



52.5952, 0.4525, 0.4059



62.4737, 0.3883, 0.4507



13.4175, 0.3279, 0.3405



14.9633, 0.5425, 0.4074



1.0680, 0.5156, 0.4288



# Inverse Universe

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



32.9354, 0.2309, 0.2500



41.3499, 0.2146, 0.2289



18.0667, 0.2149, 0.1689



13.0433, 0.2982, 0.3173



9.7459, 0.1783, 0.1617



0.7534, 0.1869, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 39.7493, 0.4215, 0.3946 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 39.7493, 0.4215, 0.3946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

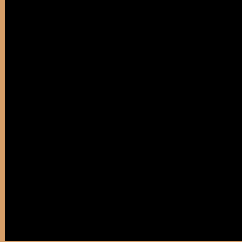
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.7493, 0.4215, 0.3946**

## Background



This preview shows how black text looks on a background with the Yxy color 39.7493, 0.4215, 0.3946.



This preview shows how white text looks on a background with the Yxy color 39.7493, 0.4215, 0.3946.

# 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

39.7493, 0.4215, 0.3946

### Protanopia

39.6490, 0.3810, 0.4121

### Deuteranopia

39.7991, 0.4107, 0.4031



## Tritanopia

39.8019, 0.3714, 0.3159

# Trichromacy



**Original Color**

39.7493, 0.4215, 0.3946

**Protanomaly**

39.5739, 0.3952, 0.4050

**Deuteranomaly**

39.8789, 0.4144, 0.4010

**Tritanomaly**

39.7860, 0.3902, 0.3451

# Monochromacy



**Original Color**

39.7493, 0.4215, 0.3946

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.2689, 0.3501, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7493, 0.4215, 0.3946 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(214, 158, 104)` looks like.

```
.text, #text, p{  
    color:rgb(214, 158, 104)  
}
```

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(214, 158, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 158, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7493, 0.4215, 0.3946 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(214, 158, 104) }
```

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

```
.border{ border-color:rgb(214, 158, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 158, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 158, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 158, 104);  
box-shadow:4px 4px 4px 4px rgb(214, 158,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7493, 0.4215, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 158, 104) }
```

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

```
.background{ background-color: rgb(214,  
158, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor