

# Converting Colors

$Y_{xy}(35.8387, 0.4585, 0.4100)$

Have a look what the booklet for  
Yxy(35.8387, 0.4585, 0.4100)  
contains.

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# Color

**Yxy(35.8175, 0.4594, 0.4096)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9924B
RGB	217, 146, 75
RGB Percent	85%, 57%, 29%
CMY	0.1489, 0.4275, 0.7058
CMYK	0.00, 0.33, 0.65, 0.15
HSL	30°, 65%, 57%
HSV	30°, 65%, 85%
XYZ	40.1723, 35.8175, 11.4553
YIQ	159.1350, 65.1070, -7.0290

# Conversions

## Conversions Part 2

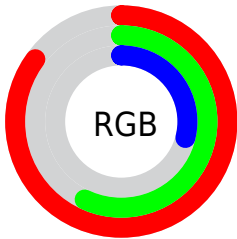
Format	Color
R <sub>Y</sub> B	217, 217, 75
Decimal	14258763
CIE Lab	66.38, 20.14, 47.62
CIE LCh	66, 51.704, 67.070
Yxy	35.8175, 0.4594, 0.4096
Android (android.graphics.Color)	4292448843 (0xFFD9924B)
YUV	159.1350, -41.4786, 50.7476
Hunter-Lab	59.8477, 15.0831, 30.5449

# Details

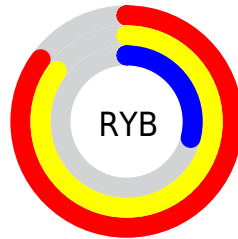
The Yxy color **35.8175, 0.4594, 0.4096** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **27.0851, 0.2102, 0.2214**, and the grayscale version is **34.9090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0749, 0.4146, 0.4046**, and **15.5237, 0.4986, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **32.3814, 0.4867, 0.4152**, and if you desaturate by 10%, it is **39.6765, 0.4318, 0.4003**.

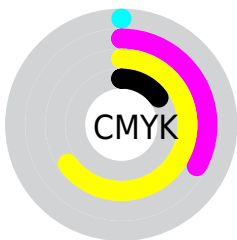
# Distribution



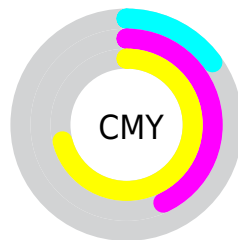
- Red (85%)
- Green (57%)
- Blue (29%)



- Red (85%)
- Yellow (85%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (65%)
- Black (15%)




- Cyan (15%)
- Magenta (43%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8175, 0.4594, 0.4096 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 35.8175, 0.4594, 0.4096 by changing the saturation by 10% instead.




 35.8175, 0.4594,  
0.4096


 35.8175, 0.4594,  
0.4096

328.1622, 0.3850,  
0.3739


 24.2933, 0.4770,  
0.4159

 68.7503, 0.4328,  
0.3983

 15.5513, 0.4983,  
0.4221


 90.9276, 0.4226,  
0.3935


 9.2072, 0.5242,  
0.4268


 117.4248, 0.4140,  
0.3892

 4.8766, 0.5654,  
0.4346

 148.6263, 0.4065,  
0.3855

 2.1750, 0.5875,  
0.4125

 184.9163, 0.4001,  
0.3821

 0.7063, 0.6306,  
0.3694

226.6794, 0.3944,

 0.0000, 1.0000,

0.3790

0.0000

274.2999, 0.3895,  
0.3763

0.0000, 0.0000,  
0.0000

35.8175, 0.4594,  
0.4096

35.8175, 0.4594,  
0.4096

32.3814, 0.4867,  
0.4152

39.6765, 0.4318,  
0.4003

29.3431, 0.5119,  
0.4158

43.9708, 0.4053,  
0.3885

26.6820, 0.5334,  
0.4110

48.7184, 0.3807,  
0.3754

25.5795, 0.5423,  
0.4076

53.9347, 0.3584,  
0.3619

59.6342, 0.3386,  
0.3485

■ 65.8306, 0.3212,  
0.3357

■ 72.5369, 0.3060,  
0.3236

■ 79.7657, 0.2928,  
0.3124

■ 86.5008, 0.2896,  
0.3173

# Harmonies

## Analogous

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



35.8175, 0.4655, 0.3522



35.8175, 0.4594, 0.4096



35.8175, 0.4122, 0.4579

# Triad

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



35.8175, 0.4594, 0.4096



35.8175, 0.2098, 0.3525



35.8175, 0.2681, 0.2191

# Complementary

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



35.8175, 0.4594, 0.4096



27.0851, 0.2102, 0.2214

# 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.



35.8175, 0.2111, 0.2106



35.8175, 0.4594, 0.4096



35.8175, 0.1807, 0.2754

# Square

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



35.8175, 0.4594, 0.4096



35.8175, 0.2677, 0.4338



35.8175, 0.1817, 0.2278



35.8175, 0.3460, 0.2495



# Rectangle

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



35.8175, 0.4594, 0.4096



35.8175, 0.3667, 0.4740



35.8175, 0.1817, 0.2278



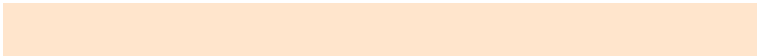
35.8175, 0.2462, 0.2137

# Sweetspot

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



35.8193, 0.4594, 0.4096



81.9279, 0.3477, 0.3548



21.9419, 0.4106, 0.2467



17.0425, 0.3534, 0.3586



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.



35.8193, 0.4594, 0.4096



44.7068, 0.4978, 0.4161



63.6969, 0.4041, 0.4757



14.1212, 0.3279, 0.3407



15.6905, 0.5401, 0.4093



1.1889, 0.5152, 0.4291



# Inverse Universe

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



27.0851, 0.2102, 0.2214



31.2114, 0.1931, 0.1934



11.8696, 0.1868, 0.1224



13.6881, 0.2982, 0.3170



9.8079, 0.1774, 0.1586



0.8078, 0.1856, 0.1882



# Previews

## White Background



This preview shows how the Yxy color 35.8175, 0.4594, 0.4096 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 35.8175, 0.4594, 0.4096 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 35.8175, 0.4594, 0.4096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.8175, 0.4594, 0.4096.



This preview shows how white text looks on a background with the Yxy color 35.8175, 0.4594, 0.4096.

# 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

35.8175, 0.4594, 0.4096

### Protanopia

36.0036, 0.4031, 0.4403

### Deuteranopia

35.8716, 0.4368, 0.4283



## Tritanopia

35.8447, 0.3944, 0.3172

# Trichromacy



## Original Color

35.8175, 0.4594, 0.4096

## Protanomaly

35.6644, 0.4240, 0.4289

## Deuteranomaly

35.7494, 0.4447, 0.4211

## Tritanomaly

35.6459, 0.4213, 0.3534

# Monochromacy



## Original Color

35.8175, 0.4594, 0.4096

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

34.3730, 0.3650, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8175, 0.4594, 0.4096 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(217, 146, 75)` looks like.

```
.text, #text, p{  
    color:rgb(217, 146, 75)  
}
```

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(217, 146, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 146, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8175, 0.4594, 0.4096 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(217, 146, 75) }
```

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

```
.border{ border-color:rgb(217, 146, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 146, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 146, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 146, 75);  
box-shadow:4px 4px 4px 4px rgb(217, 146,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8175, 0.4594, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 146, 75) }
```

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

```
.background{ background-color: rgb(217,  
146, 75) }
```

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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