

# Converting Colors

$Yxy(35.2644, 0.4621, 0.4008)$

Have a look what the booklet for  
Yxy(35.2644, 0.4621, 0.4008)  
contains.

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# Color

**Yxy(35.1262, 0.4626, 0.4002)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC8E4F
RGB	220, 142, 79
RGB Percent	86%, 56%, 31%
CMY	0.1372, 0.4431, 0.6901
CMYK	0.00, 0.35, 0.64, 0.14
HSL	27°, 67%, 59%
HSV	27°, 64%, 86%
XYZ	40.6031, 35.1262, 12.0423
YIQ	158.1400, 66.7110, -3.0570

# Conversions

## Conversions Part 2

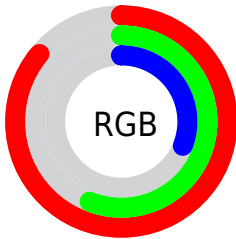
Format	Color
R <sub>Y</sub> B	220, 193, 79
Decimal	14454351
CIE Lab	65.85, 23.78, 45.11
CIE LCh	66, 50.997, 62.205
Yxy	35.1262, 0.4626, 0.4002
Android (android.graphics.Color)	4292644431 (0xFFDC8E4F)
YUV	158.1400, -39.0160, 54.2512
Hunter-Lab	59.2674, 18.5697, 29.4403

# Details

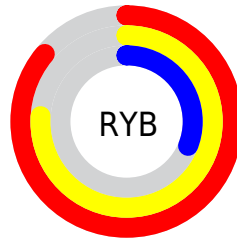
The Yxy color **35.1262, 0.4626, 0.4002** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **30.9598, 0.2147, 0.2357**, and the grayscale version is **34.4189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3516, 0.4138, 0.3969**, and **15.1530, 0.5048, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **31.4317, 0.4926, 0.4052**, and if you desaturate by 10%, it is **39.3260, 0.4328, 0.3917**.

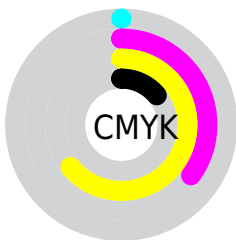
# Distribution



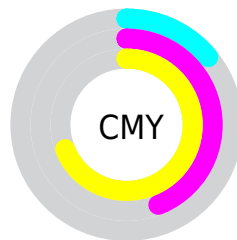
- Red (86%)
- Green (56%)
- Blue (31%)



- Red (86%)
- Yellow (76%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (64%)
- Black (14%)



- Cyan (14%)
- Magenta (44%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1262, 0.4626, 0.4002 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 35.1262, 0.4626, 0.4002 by changing the saturation by 10% instead.





 35.1262, 0.4626,  
0.4002


 35.1262, 0.4626,  
0.4002


325.1250, 0.3858,  
0.3692


 23.7601, 0.4811,  
0.4054


 67.6812, 0.4349,  
0.3906

 15.1558, 0.5039,  
0.4103

 89.6389, 0.4244,  
0.3864

 8.9288, 0.5320,  
0.4133

 115.8960, 0.4155,  
0.3827

 4.6948, 0.5795,  
0.4205

 146.8368, 0.4078,  
0.3794

 2.0693, 0.6055,  
0.3945

 182.8457, 0.4012,  
0.3765

 0.6473, 0.6584,  
0.3416

224.3071, 0.3954,

 0.0000, 1.0000,

0.3738

0.0000

271.6054, 0.3903,  
0.3714

0.0000, 0.0000,  
0.0000

35.1262, 0.4626,  
0.4002

35.1262, 0.4626,  
0.4002

31.4317, 0.4926,  
0.4052

39.3260, 0.4328,  
0.3917

28.2135, 0.5210,  
0.4054

44.0473, 0.4047,  
0.3809

25.4468, 0.5454,  
0.4001

49.3117, 0.3791,  
0.3691

24.0031, 0.5581,  
0.3950

55.1380, 0.3563,  
0.3568

61.5440, 0.3364,  
0.3449

■ 68.5464, 0.3191,  
0.3335

■ 76.1613, 0.3041,  
0.3228

■ 84.4016, 0.2912,  
0.3129

■ 91.7877, 0.2916,  
0.3255

# Harmonies

## Analogous

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



35.1262, 0.4607, 0.3429



35.1262, 0.4626, 0.4002



35.1262, 0.4213, 0.4507

# Triad

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



35.1262, 0.4626, 0.4002



35.1262, 0.2180, 0.3663



35.1262, 0.2575, 0.2168

# Complementary

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



35.1262, 0.4626, 0.4002



30.9598, 0.2147, 0.2357

# 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.



35.1262, 0.2051, 0.2122



35.1262, 0.4626, 0.4002



35.1262, 0.1842, 0.2866

# Square

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



35.1262, 0.4626, 0.4002



35.1262, 0.2794, 0.4432



35.1262, 0.1804, 0.2340



35.1262, 0.3325, 0.2438



# Rectangle

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



35.1262, 0.4626, 0.4002



35.1262, 0.3781, 0.4708



35.1262, 0.1804, 0.2340



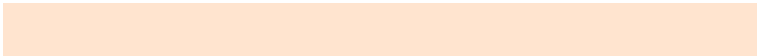
35.1262, 0.2371, 0.2126

# Sweetspot

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



35.1280, 0.4626, 0.4002



81.3344, 0.3462, 0.3509



23.3140, 0.3971, 0.2401



16.8642, 0.3521, 0.3544



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.



35.1280, 0.4626, 0.4002



42.2376, 0.5030, 0.4058



62.1791, 0.4074, 0.4680



14.0042, 0.3280, 0.3395



14.3006, 0.5555, 0.3971



1.0967, 0.5278, 0.4191



# Inverse Universe

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



30.9598, 0.2147, 0.2357



35.8870, 0.1990, 0.2119



13.8813, 0.1911, 0.1349



13.8059, 0.2982, 0.3183



11.3896, 0.1824, 0.1767

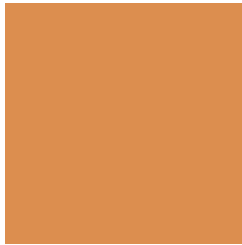


0.9089, 0.1899, 0.2037



# Previews

## White Background



This preview shows how the Yxy color 35.1262, 0.4626, 0.4002 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 35.1262, 0.4626, 0.4002 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 35.1262, 0.4626, 0.4002**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1262, 0.4626, 0.4002.



This preview shows how white text looks on a background with the Yxy color 35.1262, 0.4626, 0.4002.

# 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

35.1262, 0.4626, 0.4002

### Protanopia

35.4927, 0.3978, 0.4342

### Deuteranopia

35.3100, 0.4333, 0.4252



## Tritanopia

34.9111, 0.4027, 0.3174

# Trichromacy



**Original Color**

35.1262, 0.4626, 0.4002

**Protanomaly**

35.0732, 0.4216, 0.4211

**Deuteranomaly**

35.1525, 0.4442, 0.4159

**Tritanomaly**

34.9354, 0.4278, 0.3495

# Monochromacy



**Original Color**

35.1262, 0.4626, 0.4002

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

33.8652, 0.3658, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1262, 0.4626, 0.4002 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(220, 142, 79)` looks like.

```
.text, #text, p{  
  color:rgb(220, 142, 79)  
}
```

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(220, 142, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 142, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1262, 0.4626, 0.4002 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".

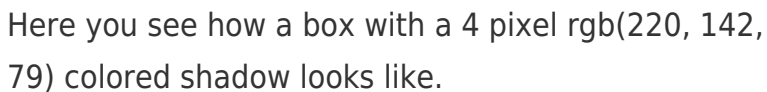
```
.border, #border, table{ border:4px solid rgb(220, 142, 79) }
```

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

```
.border{ border-color:rgb(220, 142, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 142, 79)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 142, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 142, 79);  
box-shadow:4px 4px 4px 4px rgb(220, 142,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1262, 0.4626, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 142, 79) }
```

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

```
.background{ background-color: rgb(220,  
142, 79) }
```

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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