

# Converting Colors

Yxy(34.2651, 0.4688, 0.3900)

Have a look what the booklet for  
Yxy(34.2651, 0.4688, 0.3900)  
contains.

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# **Color**

**Yxy(34.3478, 0.4683, 0.3903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E08952
RGB	224, 137, 82
RGB Percent	88%, 54%, 32%
CMY	0.1215, 0.4627, 0.6784
CMYK	0.00, 0.39, 0.63, 0.12
HSL	23°, 70%, 60%
HSV	23°, 63%, 88%
XYZ	41.2121, 34.3478, 12.4437
YIQ	156.7430, 69.5070, 1.3390

# Conversions

## Conversions Part 2

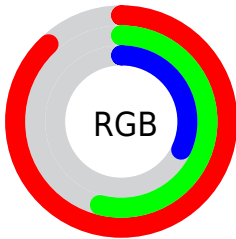
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 172, 82
Decimal	14715218
CIE Lab	65.24, 28.28, 43.01
CIE LCh	65, 51.472, 56.674
Yxy	34.3478, 0.4683, 0.3903
Android (android.graphics.Color)	4292905298 (0xFFE08952)
YUV	156.7430, -36.8483, 58.9844
Hunter-Lab	58.6070, 22.9579, 28.4362

# Details

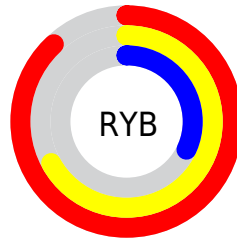
The Yxy color **34.3478, 0.4683, 0.3903** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **35.5639, 0.2185, 0.2497**, and the grayscale version is **33.7423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2151, 0.4142, 0.3891**, and **14.6636, 0.5124, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **30.4047, 0.5014, 0.3942**, and if you desaturate by 10%, it is **38.9022, 0.4360, 0.3830**.

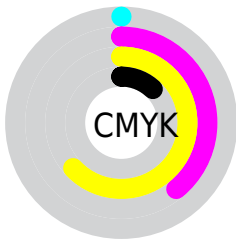
# Distribution



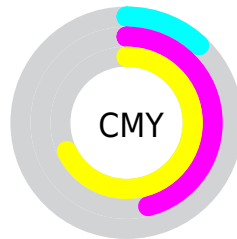
- Red (88%)
- Green (54%)
- Blue (32%)



- Red (88%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (12%)




- Cyan (12%)
- Magenta (46%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3478, 0.4683, 0.3903 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 34.3478, 0.4683, 0.3903 by changing the saturation by 10% instead.





 34.3478, 0.4683,  
0.3903


 34.3478, 0.4683,  
0.3903


321.6801, 0.3879,  
0.3646


 23.1609, 0.4880,  
0.3942


 66.4742, 0.4391,  
0.3826


 14.7124, 0.5126,  
0.3974


 88.1824, 0.4280,  
0.3792

 8.6178, 0.5432,  
0.3982


 114.1666, 0.4187,  
0.3761

 4.4927, 0.5949,  
0.4019

 144.8111, 0.4107,  
0.3733

 1.9528, 0.6274,  
0.3726

 180.5003, 0.4038,  
0.3708

 0.5798, 0.6929,  
0.3071

221.6186, 0.3978,

 0.0000, 1.0000,

0.3685

0.0000

268.5504, 0.3926,  
0.3664

0.0000, 0.0000,  
0.0000

34.3478, 0.4683,  
0.3903

34.3478, 0.4683,  
0.3903

30.4047, 0.5014,  
0.3942

38.9022, 0.4360,  
0.3830

27.0378, 0.5328,  
0.3935

44.0901, 0.4061,  
0.3736

24.2155, 0.5601,  
0.3875

49.9387, 0.3792,  
0.3632

22.6232, 0.5753,  
0.3814

56.4718, 0.3557,  
0.3525

63.7120, 0.3354,  
0.3421

71.6808, 0.3180,  
0.3322

80.3988, 0.3031,  
0.3230

89.4779, 0.2939,  
0.3207

94.5889, 0.2940,  
0.3289

# Harmonies

## Analogous

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



34.3478, 0.4572, 0.3322



34.3478, 0.4683, 0.3903



34.3478, 0.4331, 0.4442

# Triad

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



34.3478, 0.4683, 0.3903



34.3478, 0.2261, 0.3830



34.3478, 0.2448, 0.2126

# Complementary

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



34.3478, 0.4683, 0.3903



35.5639, 0.2185, 0.2497

# 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.



34.3478, 0.1968, 0.2125



34.3478, 0.4683, 0.3903



34.3478, 0.1863, 0.2990

# Square

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



34.3478, 0.4683, 0.3903



34.3478, 0.2923, 0.4556



34.3478, 0.1771, 0.2398



34.3478, 0.3176, 0.2361



# Rectangle

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



34.3478, 0.4683, 0.3903



34.3478, 0.3919, 0.4692



34.3478, 0.1771, 0.2398



34.3478, 0.2257, 0.2098

# Sweetspot

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



34.3496, 0.4683, 0.3903



79.7614, 0.3467, 0.3480



24.7727, 0.3859, 0.2333



16.4864, 0.3528, 0.3511



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.



34.3496, 0.4683, 0.3903



39.2756, 0.5116, 0.3946



61.2997, 0.4114, 0.4612



14.5665, 0.3282, 0.3381



13.3743, 0.5726, 0.3835



1.0971, 0.5440, 0.4062



# Inverse Universe

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



35.5639, 0.2185, 0.2497



40.8441, 0.2042, 0.2298



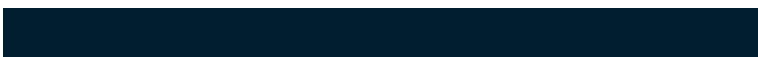
16.0222, 0.1944, 0.1458



14.6345, 0.2981, 0.3197



13.8198, 0.1882, 0.1974



1.1300, 0.1944, 0.2199



# Previews

## White Background



This preview shows how the Yxy color 34.3478, 0.4683, 0.3903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

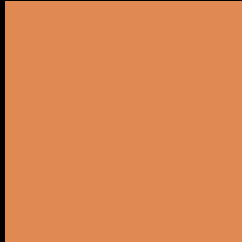
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.3478, 0.4683, 0.3903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

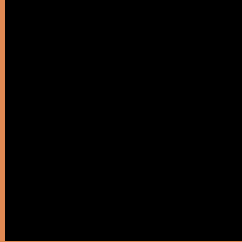
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.3478, 0.4683, 0.3903**

## Background



This preview shows how black text looks on a background with the Yxy color 34.3478, 0.4683, 0.3903.



This preview shows how white text looks on a background with the Yxy color 34.3478, 0.4683, 0.3903.

# 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

34.3478, 0.4683, 0.3903

### Protanopia

34.5331, 0.3918, 0.4269

### Deuteranopia

34.2998, 0.4295, 0.4211



## Tritanopia

34.3527, 0.4134, 0.3176

# Trichromacy



**Original Color**

34.3478, 0.4683, 0.3903

**Protanomaly**

34.0278, 0.4194, 0.4134

**Deuteranomaly**

34.2588, 0.4443, 0.4094

**Tritanomaly**

34.4379, 0.4355, 0.3456

# Monochromacy



**Original Color**

34.3478, 0.4683, 0.3903

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

33.2482, 0.3656, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.3478, 0.4683, 0.3903 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(224, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(224, 137, 82)  
}
```

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(224, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 137, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 34.3478, 0.4683, 0.3903 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(224, 137, 82) }
```

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

```
.border{ border-color:rgb(224, 137, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 137, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(224, 137,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.3478, 0.4683, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 137, 82) }
```

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

```
.background{ background-color: rgb(224,  
137, 82) }
```

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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