

Converting Colors

$Y_{xy}(35.2595, 0.4706, 0.3789)$

Have a look what the booklet for
Yxy(35.2595, 0.4706, 0.3789)
contains.

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Color

Yxy(35.2050, 0.4709, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	E88759
RGB	232, 135, 89
RGB Percent	91%, 53%, 35%
CMY	0.0903, 0.4705, 0.6509
CMYK	0.00, 0.42, 0.62, 0.09
HSL	19°, 76%, 63%
HSV	19°, 62%, 91%
XYZ	43.7415, 35.2050, 13.9427
YIQ	158.7590, 72.5780, 6.2580

Conversions

Conversions Part 2

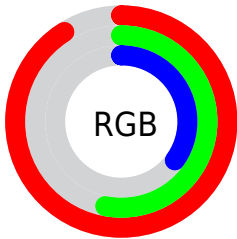
Format	Color
R_{YB}	232, 157, 89
Decimal	15239001
CIE _{Lab}	65.91, 32.98, 40.41
CIE _{LCh}	66, 52.162, 50.784
Yxy	35.2050, 0.4709, 0.3790
Android (android.graphics.Color)	4293429081 (0xFFE88759)
YUV	158.7590, -34.3912, 64.2324
Hunter-Lab	59.3338, 27.7580, 27.6013

Details

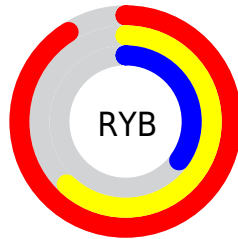
The Yxy color **35.2050, 0.4709, 0.3790** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.0553, 0.2237, 0.2657**, and the grayscale version is **34.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5486, 0.4097, 0.3802**, and **15.2714, 0.5170, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **30.8052, 0.5072, 0.3822**, and if you desaturate by 10%, it is **40.3800, 0.4361, 0.3728**.

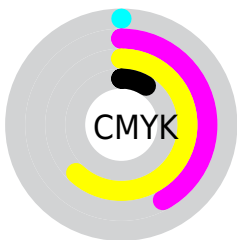
Distribution



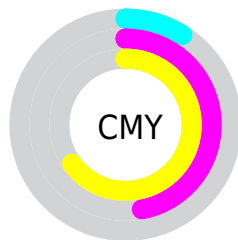
- Red (91%)
- Green (53%)
- Blue (35%)



- Red (91%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (42%)
- Yellow (62%)
- Black (9%)





- Cyan (9%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2050, 0.4709, 0.3790 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 35.2050, 0.4709, 0.3790 by changing the saturation by 10% instead.


 35.2050, 0.4709,
0.3790


 35.2050, 0.4709,
0.3790


325.4723, 0.3890,
0.3591

 23.8208, 0.4912,
0.3816


 67.8032, 0.4410,
0.3734

 15.2008, 0.5167,
0.3832


 89.7861, 0.4298,
0.3708


 8.9604, 0.5490,
0.3824


 116.0706, 0.4203,
0.3684

 4.7154, 0.5965,
0.3795

 147.0412, 0.4122,
0.3662

 2.0812, 0.6443,
0.3557

 183.0823, 0.4052,
0.3641

 0.6540, 0.7063,
0.2937

224.5782, 0.3991,

 0.0000, 1.0000,

0.3623

0.0000

271.9134, 0.3937,
0.3606

0.0000, 0.0000,
0.0000

35.2050, 0.4709,
0.3790

35.2050, 0.4709,
0.3790

30.8052, 0.5072,
0.3822

40.3800, 0.4361,
0.3728

27.1348, 0.5423,
0.3811

46.3617, 0.4045,
0.3648


24.1508, 0.5727,
0.3752


53.1865, 0.3767,
0.3561


22.1376, 0.5932,
0.3672

60.8866, 0.3528,
0.3471

69.4925, 0.3324,
0.3385

 79.0333, 0.3153,
0.3303

 89.5367, 0.3007,
0.3227

 95.8925, 0.2987,
0.3290

Harmonies

Analogous

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



35.2050, 0.4498, 0.3210



35.2050, 0.4709, 0.3790



35.2050, 0.4435, 0.4350

Triad

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



35.2050, 0.4709, 0.3790



35.2050, 0.2370, 0.4001



35.2050, 0.2328, 0.2101

Complementary

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



35.2050, 0.4709, 0.3790



43.0553, 0.2237, 0.2657

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.



35.2050, 0.1902, 0.2150



35.2050, 0.4709, 0.3790



35.2050, 0.1911, 0.3141

Square

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



35.2050, 0.4709, 0.3790



35.2050, 0.3069, 0.4651



35.2050, 0.1760, 0.2485



35.2050, 0.3018, 0.2294

Rectangle

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



35.2050, 0.4709, 0.3790



35.2050, 0.4054, 0.4639



35.2050, 0.1760, 0.2485



35.2050, 0.2155, 0.2089

Sweetspot

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



35.2068, 0.4709, 0.3790



79.1103, 0.3452, 0.3440



27.8741, 0.3708, 0.2257



16.2859, 0.3514, 0.3466



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.



35.2068, 0.4709, 0.3790



36.8419, 0.5171, 0.3824



61.9054, 0.4155, 0.4506



15.1214, 0.3284, 0.3366



12.4944, 0.5903, 0.3695



1.0867, 0.5618, 0.3922

Inverse Universe

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



43.0553, 0.2237, 0.2657



47.0951, 0.2106, 0.2500



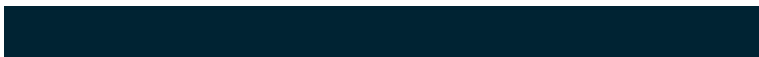
20.2612, 0.2003, 0.1634



15.5133, 0.2981, 0.3213



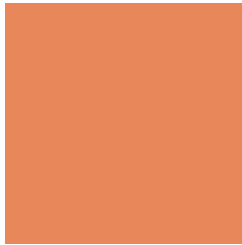
16.9234, 0.1946, 0.2206



1.4170, 0.1995, 0.2383

Previews

White Background



This preview shows how the Yxy color 35.2050, 0.4709, 0.3790 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 35.2050, 0.4709, 0.3790 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 35.2050, 0.4709, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 35.2050, 0.4709, 0.3790.



This preview shows how white text looks on a background with the Yxy color 35.2050, 0.4709, 0.3790.

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

35.2050, 0.4709, 0.3790

Protanopia

35.4855, 0.3848, 0.4185

Deuteranopia

35.3087, 0.4248, 0.4160



Tritanopia

35.1977, 0.4235, 0.3192

Trichromacy



Original Color

35.2050, 0.4709, 0.3790

Protanomaly

35.0185, 0.4156, 0.4036

Deuteranomaly

34.9313, 0.4430, 0.4016

Tritanomaly

35.0811, 0.4426, 0.3417

Monochromacy



Original Color

35.2050, 0.4709, 0.3790

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9730, 0.3668, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2050, 0.4709, 0.3790 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(232, 135, 89)` looks like.

```
.text, #text, p{  
    color:rgb(232, 135, 89)  
}
```

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(232, 135, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 135, 89) }
```

Border

The CSS property to change the border of an element to Yxy 35.2050, 0.4709, 0.3790 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(232, 135, 89) }
```

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

```
.border{ border-color:rgb(232, 135, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 135, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 135, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 135, 89);  
box-shadow:4px 4px 4px 4px rgb(232, 135,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2050, 0.4709, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 135, 89) }
```

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

```
.background{ background-color: rgb(232,  
135, 89) }
```

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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