

Converting Colors

$Y_{xy}(35.0550, 0.4723, 0.3873)$

Have a look what the booklet for
Yxy(35.0550, 0.4723, 0.3873)
contains.

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Color

Yxy(35.1739, 0.4721, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	E58953
RGB	229, 137, 83
RGB Percent	90%, 54%, 33%
CMY	0.1019, 0.4627, 0.6747
CMYK	0.00, 0.40, 0.64, 0.10
HSL	22°, 74%, 61%
HSV	22°, 64%, 90%
XYZ	42.8200, 35.1739, 12.7072
YIQ	158.3520, 72.1660, 2.7100

Conversions

Conversions Part 2

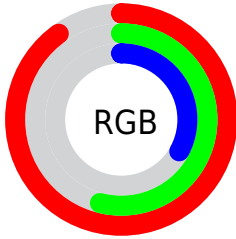
Format	Color
R _Y B	229, 169, 83
Decimal	15042899
CIE Lab	65.88, 30.35, 43.44
CIE LCh	66, 52.995, 55.058
Yxy	35.1739, 0.4721, 0.3878
Android (android.graphics.Color)	4293232979 (0xFFE58953)
YUV	158.3520, -37.1485, 61.9583
Hunter-Lab	59.3076, 25.0885, 28.8119

Details

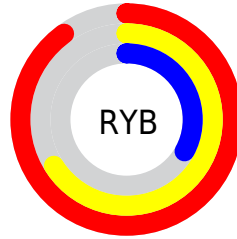
The Yxy color **35.1739, 0.4721, 0.3878** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.1377, 0.2189, 0.2527**, and the grayscale version is **34.5073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2428, 0.4134, 0.3881**, and **15.2119, 0.5169, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **31.0477, 0.5060, 0.3912**, and if you desaturate by 10%, it is **39.9689, 0.4389, 0.3810**.

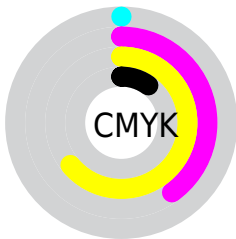
Distribution



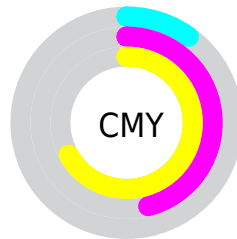
- Red (90%)
- Green (54%)
- Blue (33%)



- Red (90%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (10%)




- Cyan (10%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1739, 0.4721, 0.3878 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 35.1739, 0.4721, 0.3878 by changing the saturation by 10% instead.


 35.1739, 0.4721,
0.3878


 35.1739, 0.4721,
0.3878


325.3353, 0.3900,
0.3638

 23.7969, 0.4921,
0.3912


 67.7551, 0.4423,
0.3808

 15.1830, 0.5170,
0.3937


 89.7280, 0.4311,
0.3777


 8.9479, 0.5481,
0.3936


 116.0017, 0.4216,
0.3747

 4.7072, 0.5982,
0.3949

 146.9605, 0.4134,
0.3721

 2.0765, 0.6336,
0.3664

 182.9889, 0.4064,
0.3697

 0.6514, 0.6935,
0.3065

224.4712, 0.4002,

 0.0000, 1.0000,

0.3675

0.0000

271.7919, 0.3948,
0.3656

0.0000, 0.0000,
0.0000

35.1739, 0.4721,
0.3878

35.1739, 0.4721,
0.3878

31.0477, 0.5060,
0.3912

39.9689, 0.4389,
0.3810

27.5512, 0.5382,
0.3899

45.4580, 0.4082,
0.3721

24.6485, 0.5658,
0.3834

51.6715, 0.3808,
0.3622

23.1162, 0.5803,
0.3774

58.6364, 0.3569,
0.3519

66.3780, 0.3363,
0.3419

■ 74.9203, 0.3187,
0.3324

■ 84.2863, 0.3037,
0.3236

■ 93.7581, 0.2969,
0.3264

■ 95.3988, 0.2970,
0.3290

Harmonies

Analogous

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



35.1739, 0.4582, 0.3288



35.1739, 0.4721, 0.3878



35.1739, 0.4381, 0.4435

Triad

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



35.1739, 0.4721, 0.3878



35.1739, 0.2274, 0.3889



35.1739, 0.2401, 0.2099

Complementary

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



35.1739, 0.4721, 0.3878



38.1377, 0.2189, 0.2527

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.



35.1739, 0.1929, 0.2110



35.1739, 0.4721, 0.3878



35.1739, 0.1853, 0.3023

Square

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



35.1739, 0.4721, 0.3878



35.1739, 0.2957, 0.4613



35.1739, 0.1744, 0.2403



35.1739, 0.3132, 0.2326

Rectangle

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



35.1739, 0.4721, 0.3878



35.1739, 0.3968, 0.4704



35.1739, 0.1744, 0.2403



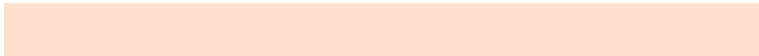
35.1739, 0.2212, 0.2075

Sweetspot

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



35.1757, 0.4721, 0.3878



79.3127, 0.3469, 0.3472



25.9519, 0.3833, 0.2303



16.3788, 0.3530, 0.3501



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.



35.1757, 0.4721, 0.3878



37.8892, 0.5182, 0.3913



63.1450, 0.4137, 0.4598



15.2372, 0.3283, 0.3378



13.4274, 0.5775, 0.3796



1.1653, 0.5499, 0.4015

Inverse Universe

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



38.1377, 0.2189, 0.2527



41.7329, 0.2045, 0.2330



17.0822, 0.1943, 0.1475



15.3927, 0.2981, 0.3201



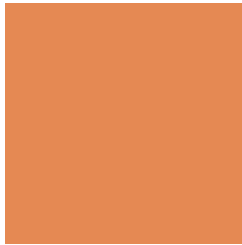
14.9206, 0.1898, 0.2033



1.2789, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 35.1739, 0.4721, 0.3878 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 35.1739, 0.4721, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

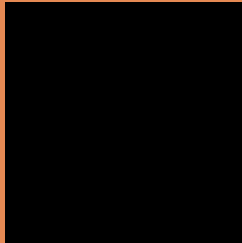
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1739, 0.4721, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 35.1739, 0.4721, 0.3878.



This preview shows how white text looks on a background with the Yxy color 35.1739, 0.4721, 0.3878.

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

35.1739, 0.4721, 0.3878

Protanopia

35.4752, 0.3918, 0.4272

Deuteranopia

35.3527, 0.4309, 0.4221



Tritanopia

35.1824, 0.4186, 0.3179

Trichromacy



Original Color

35.1739, 0.4721, 0.3878

Protanomaly

34.7632, 0.4209, 0.4122

Deuteranomaly

35.0019, 0.4464, 0.4093

Tritanomaly

35.2628, 0.4405, 0.3452

Monochromacy



Original Color

35.1739, 0.4721, 0.3878

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.6417, 0.3678, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1739, 0.4721, 0.3878 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(229, 137, 83)` looks like.

```
.text, #text, p{  
    color:rgb(229, 137, 83)  
}
```

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(229, 137, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 137, 83) }
```

Border

The CSS property to change the border of an element to Yxy 35.1739, 0.4721, 0.3878 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(229, 137, 83) }
```

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

```
.border{ border-color:rgb(229, 137, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 137, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 137, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 137, 83);  
box-shadow:4px 4px 4px 4px rgb(229, 137,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1739, 0.4721, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 137, 83) }
```

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

```
.background{ background-color: rgb(229,  
137, 83) }
```

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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