

Converting Colors

$Y_{xy}(35.3251, 0.4899, 0.3934)$

Have a look what the booklet for
Yxy(35.3251, 0.4899, 0.3934)
contains.

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Color

Yxy(35.4450, 0.4896, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	EB8747
RGB	235, 135, 71
RGB Percent	92%, 53%, 28%
CMY	0.0785, 0.4705, 0.7215
CMYK	0.00, 0.43, 0.70, 0.08
HSL	23°, 80%, 60%
HSV	23°, 70%, 92%
XYZ	44.0565, 35.4450, 10.4832
YIQ	157.6040, 80.1440, 1.2960

Conversions

Conversions Part 2

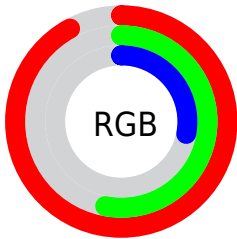
Format	Color
RYB	235, 176, 71
Decimal	15435591
CIELab	66.09, 33.10, 49.87
CIElCh	66, 59.861, 56.427
Yxy	35.4450, 0.4896, 0.3939
Android (android.graphics.Color)	4293625671 (0xFFEB8747)
YUV	157.6040, -42.6958, 67.8763
Hunter-Lab	59.5357, 27.9029, 31.2350

Details

The Yxy color **35.4450, 0.4896, 0.3939** 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 **36.4513, 0.2108, 0.2390**, and the grayscale version is **34.1756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0603, 0.4239, 0.3977**, and **15.3898, 0.5365, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **31.4684, 0.5218, 0.3950**, and if you desaturate by 10%, it is **40.0798, 0.4566, 0.3886**.

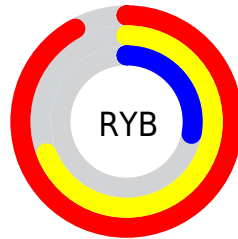
Distribution



Red (92%)

Green (53%)

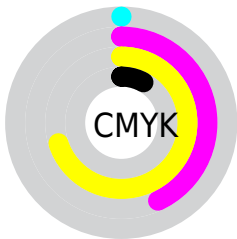
Blue (28%)



Red (92%)

Yellow (69%)

Blue (28%)

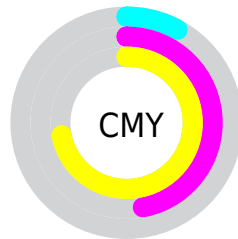


Cyan (0%)

Magenta (43%)

Yellow (70%)

Black (8%)



Cyan (8%)


Magenta (47%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4450, 0.4896, 0.3939 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 35.4450, 0.4896, 0.3939 by changing the saturation by 10% instead.


 35.4450, 0.4896,
0.3939


 35.4450, 0.4896,
0.3939


326.5282, 0.3998,
0.3690


 24.0059, 0.5107,
0.3966


 68.1746, 0.4575,
0.3873

 15.3380, 0.5363,
0.3977


 90.2338, 0.4452,
0.3840

 9.0569, 0.5673,
0.3951


 116.6018, 0.4348,
0.3809

 4.7783, 0.6111,
0.3889

 147.6631, 0.4258,
0.3781

 2.1178, 0.6440,
0.3560

 183.8020, 0.4180,
0.3755

 0.6746, 0.7043,
0.2957

225.4029, 0.4111,

 0.0000, 1.0000,

0.3731

0.0000

272.8501, 0.4051,
0.3709

■ 0.0000, 0.0000,
0.0000

■ 35.4450, 0.4896,
0.3939

■ 35.4450, 0.4896,
0.3939

■ 31.4684, 0.5218,
0.3950

■ 40.0798, 0.4566,
0.3886

■ 28.1088, 0.5507,
0.3908

■ 45.3993, 0.4251,
0.3803


■ 25.3215, 0.5744,
0.3819


■ 51.4350, 0.3962,
0.3704

■ 25.2650, 0.5749,
0.3817

■ 58.2147, 0.3705,
0.3597

■ 65.7641, 0.3481,
0.3489

 74.1081, 0.3289,
0.3386

 83.2701, 0.3124,
0.3288

 93.0124, 0.3005,
0.3236

 96.3978, 0.3005,
0.3290

Harmonies

Analogous

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



35.4450, 0.4784, 0.3296



35.4450, 0.4896, 0.3939



35.4450, 0.4477, 0.4564

Triad

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



35.4450, 0.4896, 0.3939



35.4450, 0.2140, 0.3920



35.4450, 0.2347, 0.1986

Complementary

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



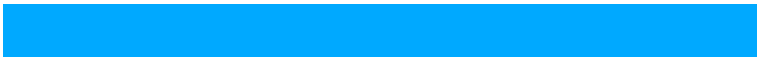
35.4450, 0.4896, 0.3939



36.4513, 0.2108, 0.2390

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.



35.4450, 0.1822, 0.1979



35.4450, 0.4896, 0.3939



35.4450, 0.1704, 0.2935

Square

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



35.4450, 0.4896, 0.3939



35.4450, 0.2880, 0.4780



35.4450, 0.1609, 0.2272



35.4450, 0.3167, 0.2244

Rectangle

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



35.4450, 0.4896, 0.3939



35.4450, 0.4004, 0.4880



35.4450, 0.1609, 0.2272



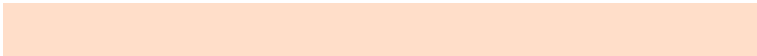
35.4450, 0.2137, 0.1954

Sweetspot

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



35.4469, 0.4896, 0.3939



77.9293, 0.3509, 0.3503



25.1497, 0.3970, 0.2271



16.1277, 0.3569, 0.3533



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.



35.4469, 0.4896, 0.3939



35.9390, 0.5357, 0.3937



67.1459, 0.4195, 0.4701



16.0185, 0.3283, 0.3382



14.2953, 0.5721, 0.3839



1.3047, 0.5465, 0.4043

Inverse Universe

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



36.4513, 0.2108, 0.2390



36.9577, 0.1970, 0.2167



14.6737, 0.1829, 0.1263



16.0774, 0.2981, 0.3196



14.5708, 0.1878, 0.1960



1.3303, 0.1934, 0.2164

Previews

White Background



This preview shows how the Yxy color 35.4450, 0.4896, 0.3939 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 35.4450, 0.4896, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

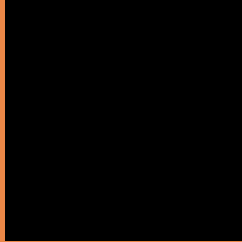
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4450, 0.4896, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 35.4450, 0.4896, 0.3939.



This preview shows how white text looks on a background with the Yxy color 35.4450, 0.4896, 0.3939.

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

35.4450, 0.4896, 0.3939

Protanopia

35.5192, 0.4036, 0.4408

Deuteranopia

35.4552, 0.4428, 0.4338



Tritanopia

35.5952, 0.4292, 0.3194

Trichromacy



Original Color

35.4450, 0.4896, 0.3939

Protanomaly

35.1204, 0.4352, 0.4235

Deuteranomaly

35.1213, 0.4610, 0.4177

Tritanomaly

35.6020, 0.4544, 0.3490

Monochromacy



Original Color

35.4450, 0.4896, 0.3939

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7582, 0.3751, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4450, 0.4896, 0.3939 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(235, 135, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 135, 71)  
}
```

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(235, 135, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 135, 71) }
```

Border

The CSS property to change the border of an element to Yxy 35.4450, 0.4896, 0.3939 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(235, 135, 71) }
```

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

```
.border{ border-color:rgb(235, 135, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 135, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 135, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 135, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 135,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4450, 0.4896, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 135, 71) }
```

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

```
.background{ background-color: rgb(235,  
135, 71) }
```

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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