

Converting Colors

$Yxy(39.9987, 0.4698, 0.3938)$

Have a look what the booklet for
Yxy(39.9987, 0.4698, 0.3938)
contains.

Yxy(39.8740, 0.4705, 0.3935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8740, 0.4705, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	EF9355
RGB	239, 147, 85
RGB Percent	94%, 58%, 33%
CMY	0.0627, 0.4236, 0.6666
CMYK	0.00, 0.39, 0.64, 0.06
HSL	24°, 83%, 64%
HSV	24°, 64%, 94%
XYZ	47.6765, 39.8740, 13.7811
YIQ	167.4400, 74.7340, 0.2220

Conversions

Conversions Part 2

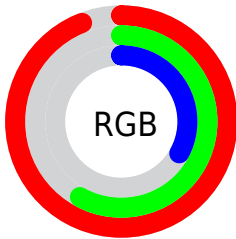
Format	Color
R_{YB}	239, 189, 85
Decimal	15700821
CIE _{Lab}	69.38, 29.26, 46.79
CIE _{LCh}	69, 55.186, 57.980
Yxy	39.8740, 0.4705, 0.3935
Android (android.graphics.Color)	4293890901 (0xFFEF9355)
YUV	167.4400, -40.6429, 62.7581
Hunter-Lab	63.1459, 24.2662, 31.2625

Details

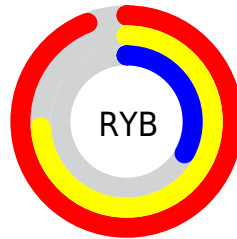
The Yxy color **39.8740, 0.4705, 0.3935** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.6288, 0.2162, 0.2444**, and the grayscale version is **39.0461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2786, 0.4062, 0.3969**, and **17.9581, 0.5109, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **35.3884, 0.5029, 0.3972**, and if you desaturate by 10%, it is **45.0435, 0.4386, 0.3862**.

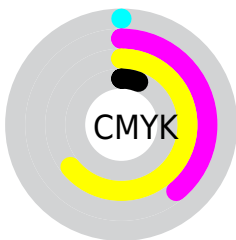
Distribution



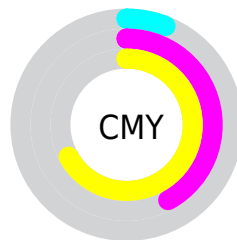
- Red (94%)
- Green (58%)
- Blue (33%)



- Red (94%)
- Yellow (74%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (6%)





- Cyan (6%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8740, 0.4705, 0.3935 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 39.8740, 0.4705, 0.3935 by changing the saturation by 10% instead.


 39.8740, 0.4705,
0.3935


 39.8740, 0.4705,
0.3935


345.5922, 0.3912,
0.3673

 27.4403, 0.4892,
0.3974


 74.9716, 0.4422,
0.3858

 17.9042, 0.5121,
0.4006

 98.4043, 0.4314,
0.3824


 10.8812, 0.5402,
0.4018


 126.2722, 0.4222,
0.3792

 5.9870, 0.5801,
0.4017

 158.9595, 0.4142,
0.3763

 2.8372, 0.6167,
0.3833

 196.8508, 0.4073,
0.3737

 1.0473, 0.6593,
0.3407

240.3305, 0.4013,

 0.0000, 1.0000,

0.3714

0.0000

289.7828, 0.3960,
0.3692

0.0000, 0.0000,
0.0000

39.8740, 0.4705,
0.3935

39.8740, 0.4705,
0.3935

35.3884, 0.5029,
0.3972

45.0435, 0.4386,
0.3862

31.5470, 0.5333,
0.3961

50.9216, 0.4087,
0.3766


28.3139, 0.5593,
0.3896


57.5387, 0.3817,
0.3658


26.7549, 0.5717,
0.3843

64.9217, 0.3580,
0.3547

73.0957, 0.3374,
0.3438

 82.0848, 0.3197,
0.3334

 91.9119, 0.3046,
0.3237

 97.0948, 0.3030,
0.3290

Harmonies

Analogous

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



39.8740, 0.4617, 0.3345



39.8740, 0.4705, 0.3935



39.8740, 0.4326, 0.4481

Triad

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



39.8740, 0.4705, 0.3935



39.8740, 0.2220, 0.3802



39.8740, 0.2462, 0.2113

Complementary

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



39.8740, 0.4705, 0.3935



39.6288, 0.2162, 0.2444

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.



39.8740, 0.1964, 0.2099



39.8740, 0.4705, 0.3935



39.8740, 0.1830, 0.2949

Square

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



39.8740, 0.4705, 0.3935



39.8740, 0.2883, 0.4562



39.8740, 0.1751, 0.2362



39.8740, 0.3212, 0.2360

Rectangle

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



39.8740, 0.4705, 0.3935



39.8740, 0.3899, 0.4729



39.8740, 0.1751, 0.2362



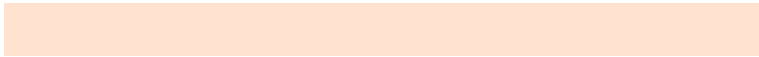
39.8740, 0.2265, 0.2080

Sweetspot

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



39.8761, 0.4705, 0.3935



80.1614, 0.3466, 0.3488



28.0456, 0.3914, 0.2344



16.5823, 0.3526, 0.3519



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.



39.8761, 0.4705, 0.3935



39.6532, 0.5118, 0.3975



72.1198, 0.4114, 0.4651



16.8029, 0.3283, 0.3386



15.0232, 0.5689, 0.3865



1.4397, 0.5449, 0.4055

Inverse Universe

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



39.6288, 0.2162, 0.2444



39.1838, 0.2022, 0.2241



17.3601, 0.1913, 0.1388



16.7997, 0.2980, 0.3193



14.5345, 0.1866, 0.1916



1.4035, 0.1921, 0.2115

Previews

White Background



This preview shows how the Yxy color 39.8740, 0.4705, 0.3935 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 39.8740, 0.4705, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

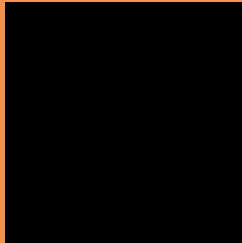
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8740, 0.4705, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 39.8740, 0.4705, 0.3935.



This preview shows how white text looks on a background with the Yxy color 39.8740, 0.4705, 0.3935.

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

39.8740, 0.4705, 0.3935

Protanopia

40.1046, 0.3957, 0.4308

Deuteranopia

40.0052, 0.4320, 0.4242



Tritanopia

39.7219, 0.4129, 0.3172

Trichromacy



Original Color

39.8740, 0.4705, 0.3935

Protanomaly

39.7007, 0.4228, 0.4173

Deuteranomaly

39.9541, 0.4460, 0.4131

Tritanomaly

39.7296, 0.4370, 0.3468

Monochromacy



Original Color

39.8740, 0.4705, 0.3935

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.2852, 0.3674, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8740, 0.4705, 0.3935 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(239, 147, 85)` looks like.

```
.text, #text, p{  
    color:rgb(239, 147, 85)  
}
```

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(239, 147, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 147, 85) }
```

Border

The CSS property to change the border of an element to Yxy 39.8740, 0.4705, 0.3935 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(239, 147, 85) }
```

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

```
.border{ border-color:rgb(239, 147, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 147, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 147, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 147, 85);  
box-shadow:4px 4px 4px 4px rgb(239, 147,  
85) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8740, 0.4705, 0.3935$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 147, 85) }
```

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

```
.background{ background-color: rgb(239,  
147, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor