

Converting Colors

Yxy(36.9865, 0.4880, 0.3831)

Have a look what the booklet for
Yxy(36.9865, 0.4880, 0.3831)
contains.

Yxy(36.9767, 0.4881, 0.3831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.9767, 0.4881, 0.3831)

Conversions

Conversions Part 1

Format	Color
Hex	F38751
RGB	243, 135, 81
RGB Percent	95%, 53%, 32%
CMY	0.0470, 0.4706, 0.6825
CMYK	0.00, 0.44, 0.67, 0.05
HSL	20°, 87%, 64%
HSV	20°, 67%, 95%
XYZ	47.1113, 36.9767, 12.4317
YIQ	161.1360, 81.7020, 6.1020

Conversions

Conversions Part 2

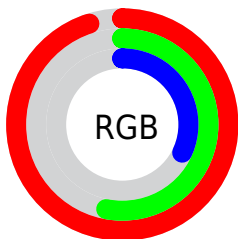
Format	Color
R _Y B	243, 162, 81
Decimal	15959889
CIE Lab	67.26, 36.82, 46.53
CIE LCh	67, 59.333, 51.640
Yxy	36.9767, 0.4881, 0.3831
Android (android.graphics.Color)	4294149969 (0xFFFF38751)
YUV	161.1360, -39.5070, 71.7947
Hunter-Lab	60.8085, 31.8778, 30.4446

Details

The Yxy color **36.9767, 0.4881, 0.3831** 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 **44.5982, 0.2173, 0.2566**, and the grayscale version is **35.8658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3211, 0.4161, 0.3881**, and **16.1146, 0.5359, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **32.4960, 0.5237, 0.3844**, and if you desaturate by 10%, it is **42.2792, 0.4527, 0.3781**.

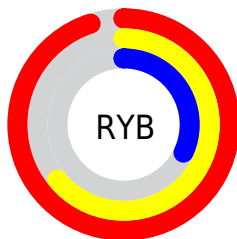
Distribution



Red (95%)

Green (53%)

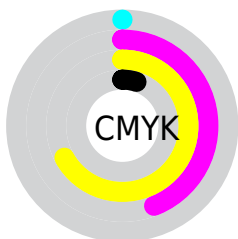
Blue (32%)



Red (95%)

Yellow (64%)

Blue (32%)

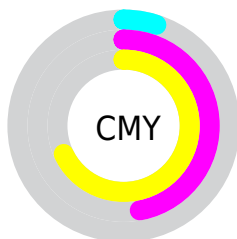


Cyan (0%)

Magenta (44%)

Yellow (67%)

Black (5%)



Cyan (5%)


Magenta (47%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9767, 0.4881, 0.3831 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 36.9767, 0.4881, 0.3831 by changing the saturation by 10% instead.


 36.9767, 0.4881,
0.3831


 36.9767, 0.4881,
0.3831


333.2096, 0.3988,
0.3632


 25.1895, 0.5094,
0.3850


 70.5369, 0.4561,
0.3780


 16.2183, 0.5356,
0.3853


 93.0787, 0.4439,
0.3755

 9.6787, 0.5677,
0.3823


 119.9742, 0.4335,
0.3730

 5.1865, 0.6186,
0.3790

 151.6076, 0.4246,
0.3707

 2.3571, 0.6536,
0.3464

 188.3635, 0.4168,
0.3686

 0.8037, 0.7090,
0.2910

230.6262, 0.4101,

 0.0000, 1.0000,

0.3666

0.0000

278.7801, 0.4041,
0.3648

■ 0.0000, 0.0000,
0.0000

■ 36.9767, 0.4881,
0.3831

■ 36.9767, 0.4881,
0.3831

■ 32.4960, 0.5237,
0.3844

■ 42.2792, 0.4527,
0.3781

■ 28.7856, 0.5564,
0.3810

■ 48.4391, 0.4196,
0.3706


■ 25.7956, 0.5830,
0.3725

■ 55.4967, 0.3901,
0.3618


■ 24.9466, 0.5907,
0.3692

■ 63.4880, 0.3643,
0.3525

■ 72.4466, 0.3423,
0.3433

 82.4046, 0.3236,
0.3345

 93.3925, 0.3078,
0.3264

 97.7953, 0.3054,
0.3290

Harmonies

Analogous

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



36.9767, 0.4674, 0.3203



36.9767, 0.4881, 0.3831



36.9767, 0.4545, 0.4453

Triad

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



36.9767, 0.4881, 0.3831



36.9767, 0.2261, 0.4065



36.9767, 0.2260, 0.1991

Complementary

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



36.9767, 0.4881, 0.3831



44.5982, 0.2173, 0.2566

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.



36.9767, 0.1793, 0.2029



36.9767, 0.4881, 0.3831



36.9767, 0.1777, 0.3084

Square

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



36.9767, 0.4881, 0.3831



36.9767, 0.3021, 0.4821



36.9767, 0.1630, 0.2373



36.9767, 0.3024, 0.2207

Rectangle

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



36.9767, 0.4881, 0.3831



36.9767, 0.4111, 0.4789



36.9767, 0.1630, 0.2373



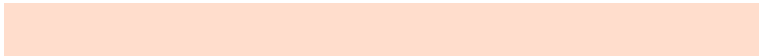
36.9767, 0.2070, 0.1973

Sweetspot

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



36.9786, 0.4881, 0.3831



77.3372, 0.3493, 0.3464



28.6088, 0.3812, 0.2222



15.9491, 0.3555, 0.3490



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.



36.9786, 0.4881, 0.3831



34.7011, 0.5357, 0.3838



68.7591, 0.4214, 0.4600



17.3854, 0.3285, 0.3370



13.9121, 0.5878, 0.3715



1.4041, 0.5636, 0.3907

Inverse Universe

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



44.5982, 0.2173, 0.2566



43.4494, 0.2047, 0.2392



18.9384, 0.1903, 0.1446



17.7722, 0.2980, 0.3209



17.9838, 0.1934, 0.2160



1.7691, 0.1977, 0.2319

Previews

White Background



This preview shows how the Yxy color 36.9767, 0.4881, 0.3831 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 36.9767, 0.4881, 0.3831 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 36.9767, 0.4881, 0.3831

Background



This preview shows how black text looks on a background with the Yxy color 36.9767, 0.4881, 0.3831.



This preview shows how white text looks on a background with the Yxy color 36.9767, 0.4881, 0.3831.

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

36.9767, 0.4881, 0.3831

Protanopia

37.1300, 0.3951, 0.4287

Deuteranopia

36.9952, 0.4357, 0.4262



Tritanopia

36.8373, 0.4361, 0.3197

Trichromacy



Original Color

36.9767, 0.4881, 0.3831

Protanomaly

36.3080, 0.4303, 0.4110

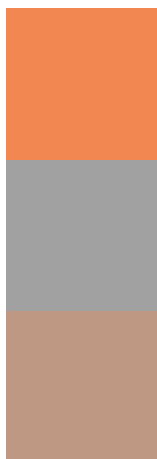
Deuteranomaly

36.6353, 0.4560, 0.4087

Tritanomaly

36.9294, 0.4566, 0.3442

Monochromacy



Original Color

36.9767, 0.4881, 0.3831

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.1988, 0.3734, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9767, 0.4881, 0.3831 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(243, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(243, 135, 81)  
}
```

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(243, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 135, 81) }
```

Border

The CSS property to change the border of an element to Yxy 36.9767, 0.4881, 0.3831 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(243, 135, 81) }
```

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

```
.border{ border-color:rgb(243, 135, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 135, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(243, 135,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9767, 0.4881, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 135, 81) }
```

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

```
.background{ background-color: rgb(243,  
135, 81) }
```

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