

Converting Colors

$Y_{xy}(39.0998, 0.4935, 0.3745)$

Have a look what the booklet for
Yxy(39.0998, 0.4935, 0.3745)
contains.

Yxy(38.9983, 0.4936, 0.3739)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9983, 0.4936, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	FF8657
RGB	255, 134, 87
RGB Percent	100%, 53%, 34%
CMY	0.0000, 0.4745, 0.6590
CMYK	0.00, 0.47, 0.66, 0.00
HSL	17°, 100%, 67%
HSV	17°, 66%, 100%
XYZ	51.4832, 38.9983, 13.8199
YIQ	164.8210, 87.2030, 11.0350

Conversions

Conversions Part 2

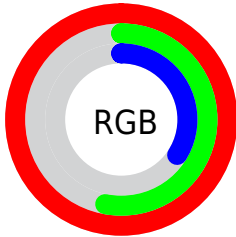
Format	Color
R _Y B	255, 152, 87
Decimal	16746071
CIE Lab	68.75, 42.28, 45.61
CIE LCh	69, 62.191, 47.171
Yxy	38.9983, 0.4936, 0.3739
Android (android.graphics.Color)	4294936151 (0xFFFF8657)
YUV	164.8210, -38.3658, 79.0870
Hunter-Lab	62.4486, 37.8719, 30.5931

Details

The Yxy color **38.9983, 0.4936, 0.3739** 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 **54.3242, 0.2208, 0.2695**, and the grayscale version is **37.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4902, 0.4113, 0.3822**, and **17.3688, 0.5428, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **34.0124, 0.5319, 0.3745**, and if you desaturate by 10%, it is **45.0164, 0.4558, 0.3698**.

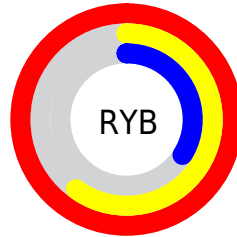
Distribution



Red (100%)

Green (53%)

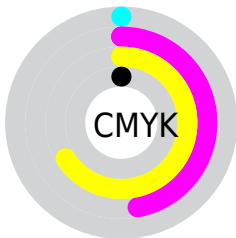
Blue (34%)



Red (100%)

Yellow (60%)

Blue (34%)

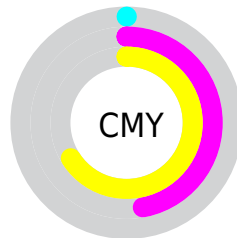


Cyan (0%)

Magenta (47%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9983, 0.4936, 0.3739 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 38.9983, 0.4936, 0.3739 by changing the saturation by 10% instead.


 38.9983, 0.4936,
0.3739


 38.9983, 0.4936,
0.3739


341.8833, 0.4020,
0.3591


 26.7584, 0.5154,
0.3746


 73.6357, 0.4608,
0.3707


 17.3919, 0.5422,
0.3736


 96.8020, 0.4483,
0.3688


 10.5143, 0.5753,
0.3692


 124.3793, 0.4376,
0.3669

 5.7412, 0.6217,
0.3609

 156.7519, 0.4285,
0.3651

 2.6884, 0.6671,
0.3329

 194.3041, 0.4205,
0.3635

 0.9713, 0.7213,
0.2787

237.4205, 0.4136,

 0.0000, 1.0000,

0.3619

0.0000

286.4855, 0.4075,
0.3604

■ 0.0000, 0.0000,
0.0000

■ 38.9983, 0.4936,
0.3739

■ 38.9983, 0.4936,
0.3739

■ 34.0124, 0.5319,
0.3745

■ 45.0164, 0.4558,
0.3698

■ 29.9906, 0.5670,
0.3708

■ 52.1167, 0.4209,
0.3635

■ 26.8652, 0.5949,
0.3625

■ 60.3530, 0.3900,
0.3561

■ 25.8185, 0.6042,
0.3585

■ 69.7737, 0.3635,
0.3482

■ 80.4242, 0.3411,
0.3405

 92.3475, 0.3223,
0.3331

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



38.9983, 0.4637, 0.3104



38.9983, 0.4936, 0.3739



38.9983, 0.4659, 0.4385

Triad

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



38.9983, 0.4936, 0.3739



38.9983, 0.2337, 0.4238



38.9983, 0.2146, 0.1949

Complementary

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



38.9983, 0.4936, 0.3739



54.3242, 0.2208, 0.2695

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.



38.9983, 0.1717, 0.2028



38.9983, 0.4936, 0.3739



38.9983, 0.1794, 0.3214

Square

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



38.9983, 0.4936, 0.3739



38.9983, 0.3142, 0.4931



38.9983, 0.1596, 0.2429



38.9983, 0.2887, 0.2134

Rectangle

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



38.9983, 0.4936, 0.3739



38.9983, 0.4241, 0.4759



38.9983, 0.1596, 0.2429



38.9983, 0.1968, 0.1944

Sweetspot

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



39.0004, 0.4936, 0.3739



75.9091, 0.3499, 0.3436



32.7303, 0.3668, 0.2133



15.6108, 0.3562, 0.3458



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.



39.0004, 0.4936, 0.3739



32.6667, 0.5433, 0.3739



70.9492, 0.4282, 0.4503



18.8151, 0.3287, 0.3357



13.7063, 0.6013, 0.3607



1.5095, 0.5793, 0.3782

Inverse Universe

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



54.3242, 0.2208, 0.2695



48.6475, 0.2094, 0.2555



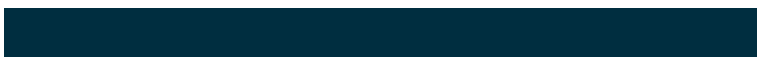
24.2068, 0.1946, 0.1599



19.5709, 0.2980, 0.3222



21.8609, 0.1986, 0.2350



2.3133, 0.2020, 0.2470

Previews

White Background



This preview shows how the Yxy color 38.9983, 0.4936, 0.3739 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 38.9983, 0.4936, 0.3739 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 38.9983, 0.4936, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 38.9983, 0.4936, 0.3739.



This preview shows how white text looks on a background with the Yxy color 38.9983, 0.4936, 0.3739.

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

38.9983, 0.4936, 0.3739

Protanopia

39.0965, 0.3891, 0.4223

Deuteranopia

39.0011, 0.4325, 0.4239



Tritanopia

39.0602, 0.4425, 0.3212

Trichromacy



Original Color

38.9983, 0.4936, 0.3739

Protanomaly

38.3048, 0.4270, 0.4035

Deuteranomaly

38.6050, 0.4550, 0.4050

Tritanomaly

38.8245, 0.4635, 0.3415

Monochromacy



Original Color

38.9983, 0.4936, 0.3739

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9231, 0.3748, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9983, 0.4936, 0.3739 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(255, 134, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 87)  
}
```

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(255, 134, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 87) }
```

Border

The CSS property to change the border of an element to Yxy 38.9983, 0.4936, 0.3739 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(255, 134, 87) }
```

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

```
.border{ border-color:rgb(255, 134, 87) }
```

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

Here you see how a box with a 4 pixel rgb(255, 134, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9983, 0.4936, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 87) }
```

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

```
.background{ background-color: rgb(255,  
134, 87) }
```

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