

Converting Colors

$Y_{xy}(46.5493, 0.5205, 0.3732)$

Have a look what the booklet for
Yxy(46.5493, 0.5205, 0.3732)
contains.

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Color

Yxy(39.7454, 0.4961, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	FF8951
RGB	255, 137, 81
RGB Percent	100%, 54%, 32%
CMY	0.0000, 0.4627, 0.6822
CMYK	0.00, 0.46, 0.68, 0.00
HSL	19°, 100%, 66%
HSV	19°, 68%, 100%
XYZ	51.6711, 39.7454, 12.7381
YIQ	165.8980, 88.3040, 7.6000

Conversions

Conversions Part 2

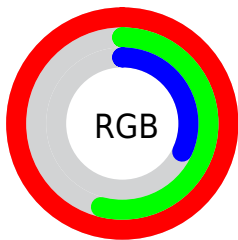
Format	Color
R_{YB}	255, 164, 81
Decimal	16746833
CIE Lab	69.29, 40.45, 49.23
CIE LCh	69, 63.721, 50.589
Yxy	39.7454, 0.4961, 0.3816
Android (android.graphics.Color)	4294936913 (0xFFFF8951)
YUV	165.8980, -41.8547, 78.1425
Hunter-Lab	63.0440, 35.9725, 32.1511

Details

The Yxy color **39.7454, 0.4961, 0.3816** 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 **49.8255, 0.2162, 0.2572**, and the grayscale version is **38.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6252, 0.4145, 0.3911**, and **17.9387, 0.5435, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **34.9045, 0.5321, 0.3820**, and if you desaturate by 10%, it is **45.5222, 0.4598, 0.3773**.

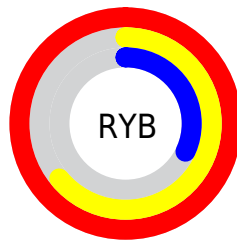
Distribution



Red (100%)

Green (54%)

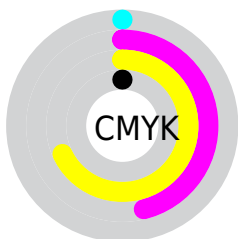
Blue (32%)



Red (100%)

Yellow (64%)

Blue (32%)

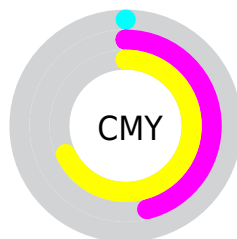


Cyan (0%)

Magenta (46%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7454, 0.4961, 0.3816 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 39.7454, 0.4961, 0.3816 by changing the saturation by 10% instead.


 39.7454, 0.4961,
0.3816


 39.7454, 0.4961,
0.3816


345.0493, 0.4041,
0.3636


 27.3401, 0.5175,
0.3828


 74.7757, 0.4635,
0.3774


 17.8288, 0.5436,
0.3823


 98.1694, 0.4509,
0.3751

 10.8271, 0.5753,
0.3782


 125.9948, 0.4402,
0.3729

 5.9507, 0.6223,
0.3721

 158.6361, 0.4310,
0.3708

 2.8151, 0.6585,
0.3415

 196.4778, 0.4229,
0.3688

 1.0360, 0.7102,
0.2898

239.9043, 0.4159,

 0.0000, 1.0000,

0.3669

0.0000

289.3000, 0.4097,
0.3652

0.0000, 0.0000,
0.0000

39.7454, 0.4961,
0.3816

39.7454, 0.4961,
0.3816

34.9045, 0.5321,
0.3820

45.5222, 0.4598,
0.3773

30.9386, 0.5644,
0.3774

52.2780, 0.4257,
0.3704


27.7860, 0.5900,
0.3682

60.0603, 0.3951,
0.3621

27.3020, 0.5941,
0.3665

68.9116, 0.3685,
0.3531

78.8718, 0.3457,
0.3442

 89.9788, 0.3263,
0.3356

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.



39.7454, 0.4729, 0.3169



39.7454, 0.4961, 0.3816



39.7454, 0.4619, 0.4468

Triad

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



39.7454, 0.4961, 0.3816



39.7454, 0.2242, 0.4141



39.7454, 0.2200, 0.1938

Complementary

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



39.7454, 0.4961, 0.3816



49.8255, 0.2162, 0.2572

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.



39.7454, 0.1730, 0.1984



39.7454, 0.4961, 0.3816



39.7454, 0.1733, 0.3101

Square

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



39.7454, 0.4961, 0.3816



39.7454, 0.3038, 0.4921



39.7454, 0.1573, 0.2348



39.7454, 0.2985, 0.2154

Rectangle

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



39.7454, 0.4961, 0.3816



39.7454, 0.4170, 0.4834



39.7454, 0.1573, 0.2348



39.7454, 0.2008, 0.1923

Sweetspot

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



39.7475, 0.4961, 0.3816



77.0219, 0.3494, 0.3458



31.3144, 0.3800, 0.2180



15.8743, 0.3557, 0.3483



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.



39.7475, 0.4961, 0.3816



33.3078, 0.5449, 0.3809



74.6844, 0.4258, 0.4599



18.9412, 0.3286, 0.3367



14.5042, 0.5911, 0.3688



1.6002, 0.5691, 0.3863

Inverse Universe

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



49.8255, 0.2162, 0.2572



43.6439, 0.2040, 0.2400



20.7634, 0.1882, 0.1429



19.4380, 0.2980, 0.3212



19.6608, 0.1945, 0.2200



2.1123, 0.1983, 0.2339

Previews

White Background



This preview shows how the Yxy color 39.7454, 0.4961, 0.3816 looks on a white background.

Color Contrast Check

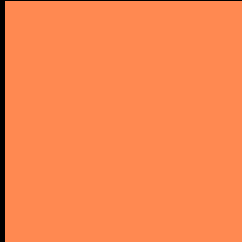
Large Text (above 18pt) WCAG AA × Fail

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 39.7454, 0.4961, 0.3816 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 39.7454, 0.4961, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 39.7454, 0.4961, 0.3816.



This preview shows how white text looks on a background with the Yxy color 39.7454, 0.4961, 0.3816.

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

39.7454, 0.4961, 0.3816

Protanopia

40.0870, 0.3965, 0.4319

Deuteranopia

39.6994, 0.4390, 0.4293



Tritanopia

39.6856, 0.4380, 0.3201

Trichromacy



Original Color

39.7454, 0.4961, 0.3816

Protanomaly

39.1553, 0.4334, 0.4125

Deuteranomaly

39.1610, 0.4607, 0.4107

Tritanomaly

39.6421, 0.4615, 0.3446

Monochromacy



Original Color

39.7454, 0.4961, 0.3816

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.1977, 0.3765, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7454, 0.4961, 0.3816 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, 137, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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(255, 137, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 81) }
```

Border

The CSS property to change the border of an element to Yxy 39.7454, 0.4961, 0.3816 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, 137, 81) }
```

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

```
.border{ border-color:rgb(255, 137, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
81) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.7454, 0.4961, 0.3816$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 81) }
```

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

```
.background{ background-color: rgb(255,  
137, 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](#).

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