

Converting Colors

$Y_{xy}(40.2845, 0.4766, 0.3645)$

Have a look what the booklet for
Yxy(40.2845, 0.4766, 0.3645)
contains.

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Color

Yxy(40.3963, 0.4763, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A66
RGB	255, 138, 102
RGB Percent	100%, 54%, 40%
CMY	0.0000, 0.4588, 0.6001
CMYK	0.00, 0.46, 0.60, 0.00
HSL	14°, 100%, 70%
HSV	14°, 60%, 100%
XYZ	52.7289, 40.3963, 17.5800
YIQ	168.8790, 81.2880, 13.6080

Conversions

Conversions Part 2

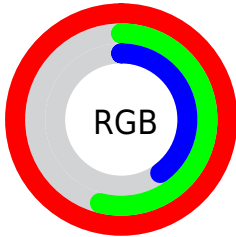
Format	Color
R _Y B	255, 149, 102
Decimal	16747110
CIE Lab	69.75, 41.22, 38.94
CIE LCh	70, 56.709, 43.368
Yxy	40.3963, 0.4763, 0.3649
Android (android.graphics.Color)	4294937190 (0xFFFF8A66)
YUV	168.8790, -32.9713, 75.5281
Hunter-Lab	63.5581, 36.8599, 28.0912

Details

The Yxy color **40.3963, 0.4763, 0.3649** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.6886, 0.2290, 0.2845**, and the grayscale version is **39.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7330, 0.3964, 0.3699**, and **18.1008, 0.5220, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **34.8648, 0.5167, 0.3669**, and if you desaturate by 10%, it is **47.0872, 0.4382, 0.3604**.

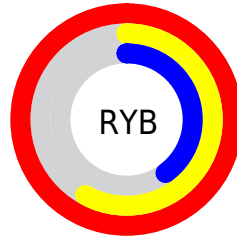
Distribution



Red (100%)

Green (54%)

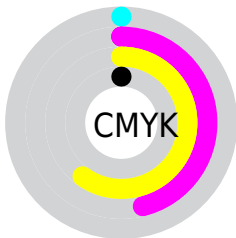
Blue (40%)



Red (100%)

Yellow (58%)

Blue (40%)

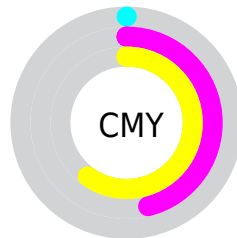


Cyan (0%)

Magenta (46%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3963, 0.4763, 0.3649 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 40.3963, 0.4763, 0.3649 by changing the saturation by 10% instead.


 40.3963, 0.4763,
0.3649


 40.3963, 0.4763,
0.3649


347.7911, 0.3930,
0.3527


 27.8477, 0.4966,
0.3657


 75.7666, 0.4462,
0.3621


 18.2109, 0.5220,
0.3654


 99.3571, 0.4348,
0.3605

 11.1015, 0.5542,
0.3626


 127.3969, 0.4252,
0.3590

 6.1351, 0.5956,
0.3545

 160.2706, 0.4169,
0.3576

 2.9274, 0.6593,
0.3407

198.3625, 0.4097,
0.3562

 1.0940, 0.7103,
0.2897

242.0569, 0.4034,

 0.0000, 1.0000,

0.3550

0.0000

291.7383, 0.3979,
0.3538

0.0000, 0.0000,
0.0000

40.3963, 0.4763,
0.3649

40.3963, 0.4763,
0.3649

34.8648, 0.5167,
0.3669

47.0872, 0.4382,
0.3604

30.4244, 0.5559,
0.3653

55.0005, 0.4042,
0.3545

26.9988, 0.5894,
0.3596

64.1940, 0.3750,
0.3480

24.4962, 0.6138,
0.3508

74.7220, 0.3503,
0.3414

86.6354, 0.3298,
0.3350

99.9826, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.3963, 0.4416, 0.3061



40.3963, 0.4763, 0.3649



40.3963, 0.4588, 0.4243

Triad

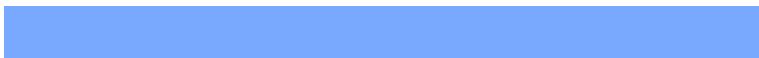
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.3963, 0.4763, 0.3649



40.3963, 0.2502, 0.4241



40.3963, 0.2165, 0.2051

Complementary

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



40.3963, 0.4763, 0.3649



60.6886, 0.2290, 0.2845

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.



40.3963, 0.1800, 0.2167



40.3963, 0.4763, 0.3649



40.3963, 0.1957, 0.3344

Square

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



40.3963, 0.4763, 0.3649



40.3963, 0.3258, 0.4787



40.3963, 0.1726, 0.2589



40.3963, 0.2814, 0.2193

Rectangle

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



40.3963, 0.4763, 0.3649



40.3963, 0.4241, 0.4585



40.3963, 0.1726, 0.2589



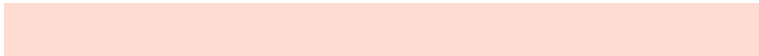
40.3963, 0.2011, 0.2059

Sweetspot

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



40.3962, 0.4763, 0.3649



77.0064, 0.3459, 0.3400



35.8865, 0.3548, 0.2165



15.7794, 0.3524, 0.3419



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.



40.3962, 0.4763, 0.3649



33.8976, 0.5247, 0.3669



70.4089, 0.4214, 0.4381



18.6811, 0.3288, 0.3347



12.9881, 0.6111, 0.3530



1.4236, 0.5897, 0.3700

Inverse Universe

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



60.6886, 0.2290, 0.2845



55.5463, 0.2179, 0.2740



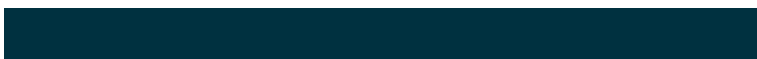
29.6209, 0.2063, 0.1834



19.7137, 0.2980, 0.3233



24.3975, 0.2030, 0.2509



2.5422, 0.2058, 0.2608

Previews

White Background



This preview shows how the Yxy color 40.3963, 0.4763, 0.3649 looks on a white background.

Color Contrast Check

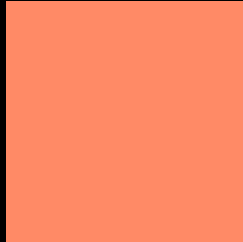
Large Text (above 18pt) WCAG AA × Fail

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 40.3963, 0.4763, 0.3649 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 40.3963, 0.4763, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 40.3963, 0.4763, 0.3649.



This preview shows how white text looks on a background with the Yxy color 40.3963, 0.4763, 0.3649.

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

40.3963, 0.4763, 0.3649

Protanopia

40.6779, 0.3750, 0.4050

Deuteranopia

40.4673, 0.4182, 0.4101



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.3963, 0.4763, 0.3649

Protanomaly

39.6237, 0.4113, 0.3900

Deuteranomaly

40.0196, 0.4396, 0.3922

Tritanomaly

40.1465, 0.4510, 0.3366

Monochromacy



Original Color

40.3963, 0.4763, 0.3649

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.7774, 0.3673, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3963, 0.4763, 0.3649 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, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 102)  
}
```

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, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 102) }
```

Border

The CSS property to change the border of an element to Yxy 40.3963, 0.4763, 0.3649 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, 138, 102) }
```

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

```
.border{ border-color:rgb(255, 138, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3963, 0.4763, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 102) }
```

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

```
.background{ background-color: rgb(255,  
138, 102) }
```

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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