

Converting Colors

$Y_{xy}(41.7144, 0.4728, 0.3695)$

Have a look what the booklet for
Yxy(41.7144, 0.4728, 0.3695)
contains.

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Color

Yxy(41.8642, 0.4724, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F66
RGB	255, 143, 102
RGB Percent	100%, 56%, 40%
CMY	0.0001, 0.4391, 0.6000
CMYK	0.00, 0.44, 0.60, 0.00
HSL	16°, 100%, 70%
HSV	16°, 60%, 100%
XYZ	53.4504, 41.8642, 17.8319
YIQ	171.8140, 79.9130, 10.9930

Conversions

Conversions Part 2

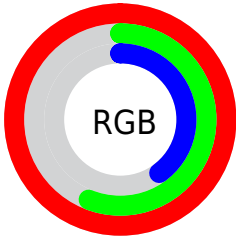
Format	Color
R _Y B	255, 158, 102
Decimal	16748390
CIE Lab	70.78, 38.67, 40.19
CIE LCh	71, 55.772, 46.109
Yxy	41.8642, 0.4724, 0.3700
Android (android.graphics.Color)	4294938470 (0xFFFF8F66)
YUV	171.8140, -34.4183, 72.9541
Hunter-Lab	64.7026, 34.2283, 28.9516

Details

The Yxy color **41.8642, 0.4724, 0.3700** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.0975, 0.2276, 0.2781**, and the grayscale version is **41.3057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9813, 0.3942, 0.3750**, and **19.0860, 0.5149, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **36.2911, 0.5113, 0.3726**, and if you desaturate by 10%, it is **48.5287, 0.4356, 0.3648**.

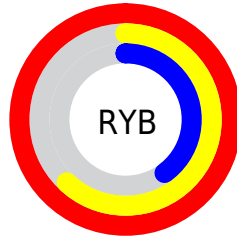
Distribution



Red (100%)

Green (56%)

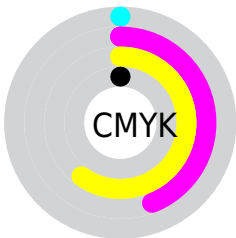
Blue (40%)



Red (100%)

Yellow (62%)

Blue (40%)

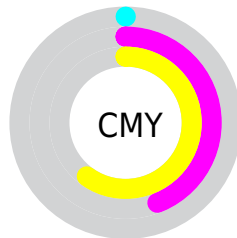


Cyan (0%)

Magenta (44%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8642, 0.4724, 0.3700 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 41.8642, 0.4724, 0.3700 by changing the saturation by 10% instead.


 41.8642, 0.4724,
0.3700

 41.8642, 0.4724,
0.3700


353.9197, 0.3917,
0.3552

 28.9950, 0.4919,
0.3715


 77.9941, 0.4434,
0.3662


 19.0770, 0.5162,
0.3721


 102.0235, 0.4323,
0.3643

 11.7259, 0.5469,
0.3705


 130.5417, 0.4230,
0.3625

 6.5574, 0.5859,
0.3642

 163.9333, 0.4149,
0.3608

 3.1869, 0.6466,
0.3534

202.5824, 0.4080,
0.3592

 1.2300, 0.6934,
0.3066

246.8736, 0.4019,

 0.0860, 0.9236,

0.3578

0.0764

297.1912, 0.3965,
0.3565

0.0000, 0.0000,
0.0000

41.8642, 0.4724,
0.3700

41.8642, 0.4724,
0.3700

36.2911, 0.5113,
0.3726

48.5287, 0.4356,
0.3648

31.7421, 0.5493,
0.3714

56.3339, 0.4027,
0.3580

28.1518, 0.5821,
0.3656

65.3337, 0.3742,
0.3505

25.4364, 0.6069,
0.3563

75.5764, 0.3500,
0.3430

25.4356, 0.6069,
0.3563

87.1079, 0.3297,
0.3358

99.9715, 0.3127,
0.3290

99.9929, 0.3127,
0.3290

Harmonies

Analogous

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



41.8642, 0.4431, 0.3120



41.8642, 0.4724, 0.3700



41.8642, 0.4515, 0.4275

Triad

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



41.8642, 0.4724, 0.3700



41.8642, 0.2461, 0.4138



41.8642, 0.2236, 0.2083

Complementary

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



41.8642, 0.4724, 0.3700



58.0975, 0.2276, 0.2781

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.



41.8642, 0.1851, 0.2173



41.8642, 0.4724, 0.3700



41.8642, 0.1953, 0.3267

Square

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



41.8642, 0.4724, 0.3700



41.8642, 0.3188, 0.4717



41.8642, 0.1753, 0.2559



41.8642, 0.2894, 0.2242

Rectangle

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



41.8642, 0.4724, 0.3700



41.8642, 0.4161, 0.4593



41.8642, 0.1753, 0.2559



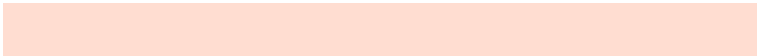
41.8642, 0.2076, 0.2083

Sweetspot

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



41.8664, 0.4724, 0.3700



77.8000, 0.3456, 0.3416



35.6183, 0.3604, 0.2208



15.9702, 0.3520, 0.3437



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.



41.8664, 0.4724, 0.3700



35.3110, 0.5191, 0.3727



73.0162, 0.4182, 0.4423



18.7796, 0.3288, 0.3354



13.5034, 0.6040, 0.3586



1.4857, 0.5821, 0.3760

Inverse Universe

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



58.0975, 0.2276, 0.2781



52.5949, 0.2158, 0.2659



28.1292, 0.2048, 0.1769



19.6085, 0.2980, 0.3225



22.5122, 0.1998, 0.2392



2.3723, 0.2030, 0.2507

Previews

White Background



This preview shows how the Yxy color 41.8642, 0.4724, 0.3700 looks on a white background.

Color Contrast Check

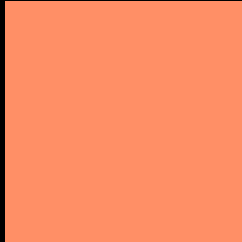
Large Text (above 18pt) WCAG AA × Fail

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 41.8642, 0.4724, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

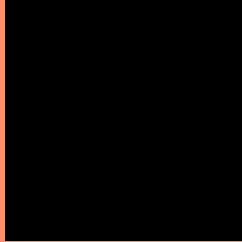
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8642, 0.4724, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 41.8642, 0.4724, 0.3700.



This preview shows how white text looks on a background with the Yxy color 41.8642, 0.4724, 0.3700.

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

41.8642, 0.4724, 0.3700

Protanopia

42.3058, 0.3784, 0.4088

Deuteranopia

42.1326, 0.4200, 0.4120



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.8642, 0.4724, 0.3700

Protanomaly

41.4663, 0.4117, 0.3938

Deuteranomaly

41.8486, 0.4394, 0.3957

Tritanomaly

41.6549, 0.4448, 0.3387

Monochromacy



Original Color

41.8642, 0.4724, 0.3700

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.1529, 0.3664, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8642, 0.4724, 0.3700 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, 143, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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, 143, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 102) }
```

Border

The CSS property to change the border of an element to Yxy 41.8642, 0.4724, 0.3700 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, 143, 102) }
```

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

```
.border{ border-color:rgb(255, 143, 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, 143, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8642, 0.4724, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 102) }
```

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

```
.background{ background-color: rgb(255,  
143, 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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