

Converting Colors

$Y_{xy}(41.4478, 0.4735, 0.3686)$

Have a look what the booklet for
Yxy(41.4478, 0.4735, 0.3686)
contains.

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Color

Yxy(41.5653, 0.4732, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E66
RGB	255, 142, 102
RGB Percent	100%, 56%, 40%
CMY	0.0000, 0.4432, 0.5999
CMYK	0.00, 0.44, 0.60, 0.00
HSL	16°, 100%, 70%
HSV	16°, 60%, 100%
XYZ	53.3172, 41.5653, 17.7912
YIQ	171.2270, 80.1880, 11.5160

Conversions

Conversions Part 2

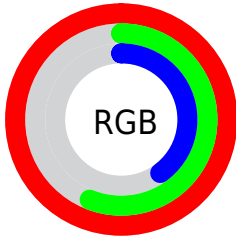
Format	Color
R _Y B	255, 156, 102
Decimal	16748134
CIE Lab	70.57, 39.22, 39.92
CIE LCh	71, 55.959, 45.509
Yxy	41.5653, 0.4732, 0.3689
Android (android.graphics.Color)	4294938214 (0xFFFF8E66)
YUV	171.2270, -34.1289, 73.4689
Hunter-Lab	64.4712, 34.7936, 28.7684

Details

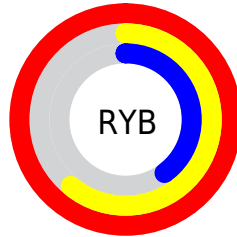
The Yxy color **41.5653, 0.4732, 0.3689** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.6667, 0.2279, 0.2795**, and the grayscale version is **40.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5256, 0.3947, 0.3740**, and **18.9161, 0.5161, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **35.9940, 0.5124, 0.3714**, and if you desaturate by 10%, it is **48.2376, 0.4361, 0.3638**.

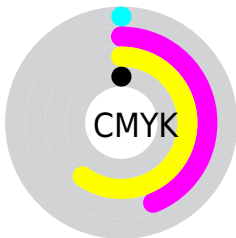
Distribution



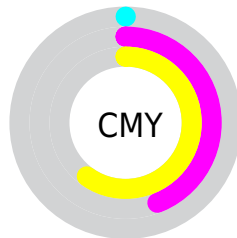
- Red (100%)
- Green (56%)
- Blue (40%)



- Red (100%)
- Yellow (61%)
- 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 41.5653, 0.4732, 0.3689 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 41.5653, 0.4732, 0.3689 by changing the saturation by 10% instead.


 41.5653, 0.4732,
0.3689


 41.5653, 0.4732,
0.3689


352.6778, 0.3920,
0.3547


 28.7611, 0.4929,
0.3703


 77.5413, 0.4439,
0.3653


 18.9001, 0.5174,
0.3707


 101.4819, 0.4328,
0.3635

 11.5981, 0.5484,
0.3688


 129.9033, 0.4234,
0.3617

 6.4707, 0.5879,
0.3621

 163.1900, 0.4153,
0.3601

 3.1333, 0.6492,
0.3508

201.7265, 0.4083,
0.3586

 1.2017, 0.6969,
0.3031

245.8970, 0.4022,

 0.0631, 0.9422,

0.3572

0.0578

296.0859, 0.3968,
0.3559

■ 0.0000, 0.0000,
0.0000

■ 41.5653, 0.4732,
0.3689

■ 41.5653, 0.4732,
0.3689

■ 35.9940, 0.5124,
0.3714

■ 48.2376, 0.4361,
0.3638

■ 31.4641, 0.5507,
0.3701

■ 56.0708, 0.4030,
0.3572

■ 27.9053, 0.5837,
0.3643

■ 65.1171, 0.3743,
0.3500

■ 25.2319, 0.6084,
0.3551

■ 75.4262, 0.3500,
0.3427

■ 25.2290, 0.6084,
0.3551

■ 87.0448, 0.3297,
0.3356

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.



41.5653, 0.4428, 0.3108



41.5653, 0.4732, 0.3689



41.5653, 0.4531, 0.4268

Triad

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



41.5653, 0.4732, 0.3689



41.5653, 0.2470, 0.4160



41.5653, 0.2221, 0.2076

Complementary

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



41.5653, 0.4732, 0.3689



58.6667, 0.2279, 0.2795

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.



41.5653, 0.1840, 0.2172



41.5653, 0.4732, 0.3689



41.5653, 0.1954, 0.3284

Square

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



41.5653, 0.4732, 0.3689



41.5653, 0.3203, 0.4732



41.5653, 0.1747, 0.2565



41.5653, 0.2877, 0.2231

Rectangle

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



41.5653, 0.4732, 0.3689



41.5653, 0.4178, 0.4591



41.5653, 0.1747, 0.2565



41.5653, 0.2062, 0.2078

Sweetspot

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



41.5643, 0.4732, 0.3689



77.6295, 0.3457, 0.3412



35.7663, 0.3576, 0.2187



15.9291, 0.3521, 0.3433



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.



41.5643, 0.4732, 0.3689



35.0008, 0.5203, 0.3714



71.7210, 0.4198, 0.4402



18.7585, 0.3288, 0.3353



13.3869, 0.6056, 0.3573



1.4719, 0.5838, 0.3747

Inverse Universe

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



58.6667, 0.2279, 0.2795



53.2174, 0.2163, 0.2677



28.8831, 0.2056, 0.1802



19.6310, 0.2980, 0.3226



22.9070, 0.2005, 0.2417



2.4080, 0.2036, 0.2529

Previews

White Background



This preview shows how the Yxy color 41.5653, 0.4732, 0.3689 looks on a white background.

Color Contrast Check

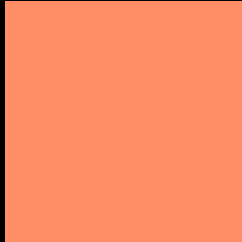
Large Text (above 18pt) WCAG AA × Fail

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 41.5653, 0.4732, 0.3689 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 41.5653, 0.4732, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 41.5653, 0.4732, 0.3689.



This preview shows how white text looks on a background with the Yxy color 41.5653, 0.4732, 0.3689.

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

41.5653, 0.4732, 0.3689

Protanopia

41.7934, 0.3779, 0.4079

Deuteranopia

41.6222, 0.4197, 0.4113



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.5653, 0.4732, 0.3689

Protanomaly

40.9635, 0.4114, 0.3929

Deuteranomaly

41.3457, 0.4393, 0.3949

Tritanomaly

41.3639, 0.4454, 0.3376

Monochromacy



Original Color

41.5653, 0.4732, 0.3689

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.7735, 0.3677, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5653, 0.4732, 0.3689 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, 142, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 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, 142, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 102) }
```

Border

The CSS property to change the border of an element to Yxy 41.5653, 0.4732, 0.3689 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, 142, 102) }
```

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

```
.border{ border-color:rgb(255, 142, 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, 142, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5653, 0.4732, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 102) }
```

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

```
.background{ background-color: rgb(255,  
142, 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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