

Converting Colors

$Y_{xy}(42.1875, 0.4722, 0.3696)$

Have a look what the booklet for
Yxy(42.1875, 0.4722, 0.3696)
contains.

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Color

Yxy(41.8842, 0.4715, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F67
RGB	255, 143, 103
RGB Percent	100%, 56%, 40%
CMY	0.0001, 0.4391, 0.5962
CMYK	0.00, 0.44, 0.60, 0.00
HSL	16°, 100%, 70%
HSV	16°, 60%, 100%
XYZ	53.5042, 41.8842, 18.0882
YIQ	171.9280, 79.5920, 11.3040

Conversions

Conversions Part 2

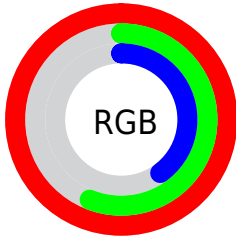
Format	Color
R_{YB}	255, 157, 103
Decimal	16748391
CIE _{Lab}	70.79, 38.75, 39.69
CIE _{LCh}	71, 55.470, 45.694
Y _{xy}	41.8842, 0.4715, 0.3691
Android (android.graphics.Color)	4294938471 (0xFFFF8F67)
Y _{UV}	171.9280, -33.9815, 72.8541
Hunter-Lab	64.7180, 34.3145, 28.7315

Details

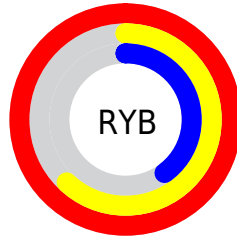
The Yxy color **41.8842, 0.4715, 0.3691** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.6652, 0.2282, 0.2794**, and the grayscale version is **41.3627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0147, 0.3934, 0.3740**, and **19.0955, 0.5138, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **36.2748, 0.5106, 0.3717**, and if you desaturate by 10%, it is **48.5979, 0.4346, 0.3639**.

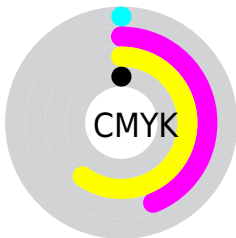
Distribution



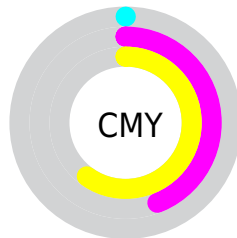
- Red (100%)
- Green (56%)
- Blue (40%)



- 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 41.8842, 0.4715, 0.3691 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 41.8842, 0.4715, 0.3691 by changing the saturation by 10% instead.


 41.8842, 0.4715,
0.3691


 41.8842, 0.4715,
0.3691

354.0027, 0.3912,
0.3547

 29.0106, 0.4909,
0.3706


 78.0243, 0.4426,
0.3654


 19.0889, 0.5152,
0.3711


 102.0597, 0.4316,
0.3635

 11.7345, 0.5458,
0.3696


 130.5844, 0.4223,
0.3618

 6.5632, 0.5849,
0.3633


 163.9829, 0.4143,
0.3601

 3.1904, 0.6468,
0.3532

202.6396, 0.4074,
0.3586

 1.2320, 0.6936,
0.3064

246.9389, 0.4013,

 0.0876, 0.9226,

0.3572

0.0774

297.2651, 0.3959,
0.3559

■ 0.0000, 0.0000,
0.0000

■ 41.8842, 0.4715,
0.3691

■ 41.8842, 0.4715,
0.3691

■ 36.2748, 0.5106,
0.3717

■ 48.5979, 0.4346,
0.3639

■ 31.7015, 0.5489,
0.3706

■ 56.4660, 0.4017,
0.3572

■ 28.0981, 0.5821,
0.3650

■ 65.5430, 0.3733,
0.3499

■ 25.3809, 0.6071,
0.3558

■ 75.8782, 0.3492,
0.3425

■ 25.2923, 0.6079,
0.3555

■ 87.5179, 0.3290,
0.3354

99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



41.8842, 0.4417, 0.3114



41.8842, 0.4715, 0.3691



41.8842, 0.4515, 0.4264

Triad

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



41.8842, 0.4715, 0.3691



41.8842, 0.2473, 0.4144



41.8842, 0.2233, 0.2088

Complementary

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



41.8842, 0.4715, 0.3691



58.6652, 0.2282, 0.2794

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.



41.8842, 0.1854, 0.2182



41.8842, 0.4715, 0.3691



41.8842, 0.1964, 0.3280

Square

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



41.8842, 0.4715, 0.3691



41.8842, 0.3199, 0.4712



41.8842, 0.1760, 0.2571



41.8842, 0.2885, 0.2243

Rectangle

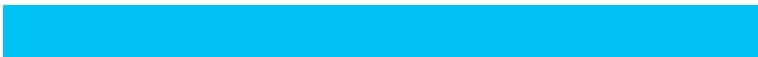
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8842, 0.4715, 0.3691



41.8842, 0.4165, 0.4581



41.8842, 0.1760, 0.2571



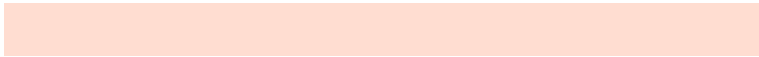
41.8842, 0.2075, 0.2090

Sweetspot

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



41.8864, 0.4715, 0.3691



77.6837, 0.3457, 0.3413



35.9594, 0.3572, 0.2192



15.9422, 0.3521, 0.3435



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.



41.8864, 0.4715, 0.3691



35.0989, 0.5199, 0.3718



71.8493, 0.4191, 0.4397



18.7652, 0.3288, 0.3353



13.4235, 0.6051, 0.3577



1.4763, 0.5832, 0.3751

Inverse Universe

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



58.6652, 0.2282, 0.2794



53.0190, 0.2161, 0.2671



29.1422, 0.2062, 0.1813



19.6239, 0.2980, 0.3226



22.7810, 0.2003, 0.2409



2.3966, 0.2034, 0.2522

Previews

White Background



This preview shows how the Yxy color 41.8842, 0.4715, 0.3691 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 41.8842, 0.4715, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

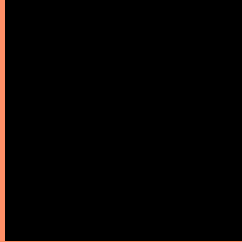
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8842, 0.4715, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 41.8842, 0.4715, 0.3691.



This preview shows how white text looks on a background with the Yxy color 41.8842, 0.4715, 0.3691.

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

41.8842, 0.4715, 0.3691

Protanopia

42.2013, 0.3766, 0.4078

Deuteranopia

42.1513, 0.4192, 0.4110



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.8842, 0.4715, 0.3691

Protanomaly

41.3391, 0.4099, 0.3929

Deuteranomaly

41.8678, 0.4386, 0.3947

Tritanomaly

41.6821, 0.4438, 0.3376

Monochromacy



Original Color

41.8842, 0.4715, 0.3691

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 41.8842, 0.4715, 0.3691 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 103) }
```

Border

The CSS property to change the border of an element to Yxy 41.8842, 0.4715, 0.3691 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, 103) }
```

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

```
.border{ border-color:rgb(255, 143, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8842, 0.4715, 0.3691 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
143, 103) }
```

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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