

Converting Colors

$Y_{xy}(42.0691, 0.4792, 0.3713)$

Have a look what the booklet for
Yxy(42.0691, 0.4792, 0.3713)
contains.

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Color

Yxy(41.5069, 0.4760, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E63
RGB	255, 142, 99
RGB Percent	100%, 56%, 39%
CMY	0.0000, 0.4431, 0.6116
CMYK	0.00, 0.44, 0.61, 0.00
HSL	17°, 100%, 69%
HSV	17°, 61%, 100%
XYZ	53.1681, 41.5069, 17.0227
YIQ	170.8850, 81.1510, 10.5830

Conversions

Conversions Part 2

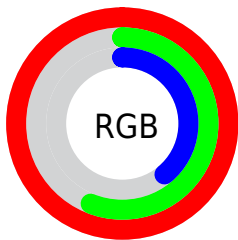
Format	Color
R_{YB}	255, 158, 99
Decimal	16748131
CIE _{Lab}	70.53, 39.01, 41.45
CIE _{LCh}	71, 56.915, 46.738
Yxy	41.5069, 0.4760, 0.3716
Android (android.graphics.Color)	4294938211 (0xFFFF8E63)
YUV	170.8850, -35.4393, 73.7689
Hunter-Lab	64.4258, 34.5639, 29.4324

Details

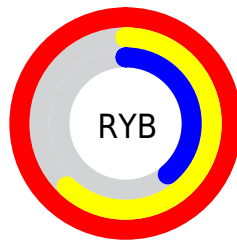
The Yxy color **41.5069, 0.4760, 0.3716** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.9796, 0.2260, 0.2754**, and the grayscale version is **40.8166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4269, 0.3971, 0.3770**, and **18.8888, 0.5194, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **36.0451, 0.5146, 0.3739**, and if you desaturate by 10%, it is **48.0362, 0.4391, 0.3664**.

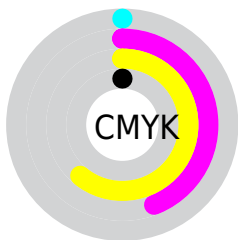
Distribution



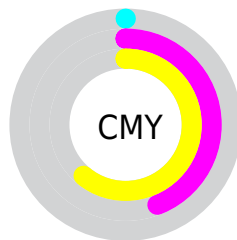
- Red (100%)
- Green (56%)
- Blue (39%)



- Red (100%)
- Yellow (62%)
- Blue (39%)



- Cyan (0%)
- Magenta (44%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5069, 0.4760, 0.3716 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 41.5069, 0.4760, 0.3716 by changing the saturation by 10% instead.

 41.5069, 0.4760,
0.3716

 41.5069, 0.4760,
0.3716


352.4348, 0.3935,
0.3564


 28.7154, 0.4958,
0.3731


 77.4528, 0.4464,
0.3677

 18.8656, 0.5205,
0.3735

 101.3759, 0.4351,
0.3658

 11.5732, 0.5515,
0.3717


 129.7784, 0.4255,
0.3639

 6.4538, 0.5910,
0.3648

 163.0447, 0.4173,
0.3622

 3.1229, 0.6487,
0.3513

201.5590, 0.4102,
0.3605

 1.1962, 0.6963,
0.3037

245.7059, 0.4039,

 0.0586, 0.9456,

0.3590

0.0544

295.8697, 0.3984,
0.3576

0.0000, 0.0000,
0.0000

41.5069, 0.4760,
0.3716

41.5069, 0.4760,
0.3716

36.0451, 0.5146,
0.3739

48.0362, 0.4391,
0.3664

31.5873, 0.5519,
0.3723

55.6843, 0.4059,
0.3596

28.0679, 0.5838,
0.3661

64.5033, 0.3771,
0.3520

25.6713, 0.6052,
0.3576

74.5408, 0.3525,
0.3443

85.8418, 0.3318,
0.3368

98.4488, 0.3145,
0.3298

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.



41.5069, 0.4473, 0.3126



41.5069, 0.4760, 0.3716



41.5069, 0.4534, 0.4302

Triad

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



41.5069, 0.4760, 0.3716



41.5069, 0.2431, 0.4143



41.5069, 0.2228, 0.2061

Complementary

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



41.5069, 0.4760, 0.3716



56.9796, 0.2260, 0.2754

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.



41.5069, 0.1832, 0.2145



41.5069, 0.4760, 0.3716



41.5069, 0.1921, 0.3246

Square

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



41.5069, 0.4760, 0.3716



41.5069, 0.3169, 0.4748



41.5069, 0.1726, 0.2529



41.5069, 0.2904, 0.2227

Rectangle

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



41.5069, 0.4760, 0.3716



41.5069, 0.4166, 0.4627



41.5069, 0.1726, 0.2529



41.5069, 0.2064, 0.2059

Sweetspot

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



41.5081, 0.4760, 0.3716



77.9753, 0.3456, 0.3419



35.0157, 0.3617, 0.2192



16.0124, 0.3519, 0.3441



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.



41.5081, 0.4760, 0.3716



35.1521, 0.5217, 0.3740



72.6207, 0.4202, 0.4440



18.8013, 0.3287, 0.3356



13.6264, 0.6024, 0.3599



1.5002, 0.5804, 0.3774

Inverse Universe

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



56.9796, 0.2260, 0.2754



51.5324, 0.2145, 0.2631



27.3226, 0.2028, 0.1735



19.5855, 0.2980, 0.3223



22.1121, 0.1991, 0.2367



2.3361, 0.2024, 0.2484

Previews

White Background



This preview shows how the Yxy color 41.5069, 0.4760, 0.3716 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 41.5069, 0.4760, 0.3716 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 41.5069, 0.4760, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 41.5069, 0.4760, 0.3716.



This preview shows how white text looks on a background with the Yxy color 41.5069, 0.4760, 0.3716.

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

41.5069, 0.4760, 0.3716

Protanopia

41.7262, 0.3804, 0.4117

Deuteranopia

41.5673, 0.4222, 0.4145



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.5069, 0.4760, 0.3716

Protanomaly

40.8992, 0.4141, 0.3964

Deuteranomaly

41.2894, 0.4419, 0.3979

Tritanomaly

41.3369, 0.4465, 0.3386

Monochromacy



Original Color

41.5069, 0.4760, 0.3716

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.7425, 0.3687, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5069, 0.4760, 0.3716 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 99) }
```

Border

The CSS property to change the border of an element to Yxy 41.5069, 0.4760, 0.3716 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, 99) }
```

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

```
.border{ border-color:rgb(255, 142, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5069, 0.4760, 0.3716 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
142, 99) }
```

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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