

Converting Colors

$Y_{xy}(58.0197, 0.5276, 0.3571)$

Have a look what the booklet for
Yxy(58.0197, 0.5276, 0.3571)
contains.

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Color

Yxy(41.2299, 0.4759, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D64
RGB	255, 141, 100
RGB Percent	100%, 55%, 39%
CMY	0.0000, 0.4471, 0.6078
CMYK	0.00, 0.45, 0.61, 0.00
HSL	16°, 100%, 70%
HSV	16°, 61%, 100%
XYZ	53.0736, 41.2299, 17.2191
YIQ	170.4120, 81.1050, 11.4170

Conversions

Conversions Part 2

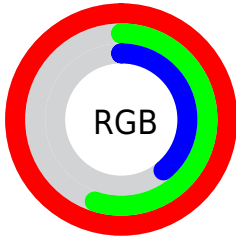
Format	Color
R _Y B	255, 156, 100
Decimal	16747876
CIE Lab	70.34, 39.59, 40.70
CIE LCh	70, 56.782, 45.791
Yxy	41.2299, 0.4759, 0.3697
Android (android.graphics.Color)	4294937956 (0xFFFF8D64)
YUV	170.4120, -34.7131, 74.1837
Hunter-Lab	64.2105, 35.1719, 29.0478

Details

The Yxy color **41.2299, 0.4759, 0.3697** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.0329, 0.2269, 0.2781**, and the grayscale version is **40.5572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0069, 0.3967, 0.3750**, and **18.7301, 0.5195, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **35.7370, 0.5150, 0.3720**, and if you desaturate by 10%, it is **47.8072, 0.4387, 0.3647**.

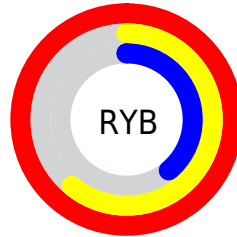
Distribution



Red (100%)

Green (55%)

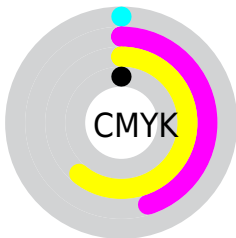
Blue (39%)



Red (100%)

Yellow (61%)

Blue (39%)

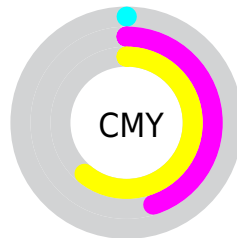


Cyan (0%)

Magenta (45%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2299, 0.4759, 0.3697 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 41.2299, 0.4759, 0.3697 by changing the saturation by 10% instead.


 41.2299, 0.4759,
0.3697

 41.2299, 0.4759,
0.3697


351.2806, 0.3933,
0.3553


 28.4988, 0.4959,
0.3710


 77.0328, 0.4462,
0.3661

 18.7020, 0.5207,
0.3713


 100.8733, 0.4349,
0.3643

 11.4551, 0.5520,
0.3692


 129.1857, 0.4253,
0.3625

 6.3738, 0.5919,
0.3620

 162.3545, 0.4171,
0.3608

 3.0737, 0.6514,
0.3486

200.7640, 0.4099,
0.3593

 1.1703, 0.6999,
0.3001

244.7985, 0.4037,

 0.0373, 0.9645,

0.3579

0.0355

294.8426, 0.3982,
0.3565

0.0000, 0.0000,
0.0000

41.2299, 0.4759,
0.3697

41.2299, 0.4759,
0.3697

35.7370, 0.5150,
0.3720

47.8072, 0.4387,
0.3647

31.2766, 0.5529,
0.3704

55.5362, 0.4053,
0.3581

27.7761, 0.5853,
0.3643

64.4660, 0.3763,
0.3508

25.3247, 0.6077,
0.3557

74.6461, 0.3518,
0.3434

86.1231, 0.3312,
0.3362

98.9409, 0.3139,
0.3295

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.



41.2299, 0.4456, 0.3108



41.2299, 0.4759, 0.3697



41.2299, 0.4547, 0.4285

Triad

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



41.2299, 0.4759, 0.3697



41.2299, 0.2451, 0.4169



41.2299, 0.2212, 0.2059

Complementary

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



41.2299, 0.4759, 0.3697



58.0329, 0.2269, 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.



41.2299, 0.1824, 0.2152



41.2299, 0.4759, 0.3697



41.2299, 0.1932, 0.3274

Square

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



41.2299, 0.4759, 0.3697



41.2299, 0.3194, 0.4757



41.2299, 0.1727, 0.2547



41.2299, 0.2879, 0.2219

Rectangle

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



41.2299, 0.4759, 0.3697



41.2299, 0.4186, 0.4614



41.2299, 0.1727, 0.2547



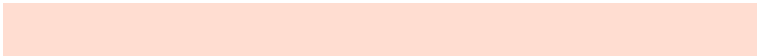
41.2299, 0.2050, 0.2060

Sweetspot

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



41.2265, 0.4759, 0.3697



77.7060, 0.3457, 0.3414



35.3468, 0.3584, 0.2176



15.9476, 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.



41.2265, 0.4759, 0.3697



34.6608, 0.5237, 0.3720



71.4212, 0.4212, 0.4413



18.7680, 0.3288, 0.3354



13.4388, 0.6049, 0.3579



1.4781, 0.5830, 0.3753

Inverse Universe

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



58.0329, 0.2269, 0.2781



52.5173, 0.2152, 0.2659



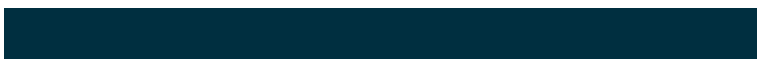
28.3244, 0.2042, 0.1779



19.6209, 0.2980, 0.3226



22.7291, 0.2002, 0.2406



2.3919, 0.2033, 0.2519

Previews

White Background



This preview shows how the Yxy color 41.2299, 0.4759, 0.3697 looks on a white background.

Color Contrast Check

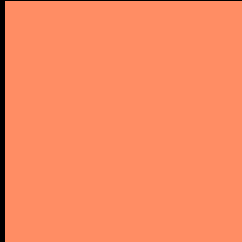
Large Text (above 18pt) WCAG AA × Fail

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 41.2299, 0.4759, 0.3697 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 41.2299, 0.4759, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 41.2299, 0.4759, 0.3697.



This preview shows how white text looks on a background with the Yxy color 41.2299, 0.4759, 0.3697.

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

41.2299, 0.4759, 0.3697

Protanopia

41.2397, 0.3791, 0.4096

Deuteranopia

41.2260, 0.4221, 0.4123



Tritanopia

41.2266, 0.4298, 0.3200

Trichromacy



Original Color

41.2299, 0.4759, 0.3697

Protanomaly

40.5695, 0.4138, 0.3941

Deuteranomaly

40.9709, 0.4418, 0.3958

Tritanomaly

41.0219, 0.4482, 0.3386

Monochromacy



Original Color

41.2299, 0.4759, 0.3697

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.2581, 0.3680, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2299, 0.4759, 0.3697 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, 141, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 100)  
}
```

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, 141, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 100) }
```

Border

The CSS property to change the border of an element to Yxy 41.2299, 0.4759, 0.3697 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, 141, 100) }
```

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

```
.border{ border-color:rgb(255, 141, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2299, 0.4759, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 100) }
```

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

```
.background{ background-color: rgb(255,  
141, 100) }
```

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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