

Converting Colors

$Y_{xy}(56.1655, 0.5421, 0.3746)$

Have a look what the booklet for
Yxy(56.1655, 0.5421, 0.3746)
contains.

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Color

Yxy(41.0609, 0.4993, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E47
RGB	255, 142, 71
RGB Percent	100%, 56%, 28%
CMY	0.0000, 0.4431, 0.7218
CMYK	0.00, 0.44, 0.72, 0.00
HSL	23°, 100%, 64%
HSV	23°, 72%, 100%
XYZ	52.0480, 41.0609, 11.1330
YIQ	167.6930, 90.1390, 1.8750

Conversions

Conversions Part 2

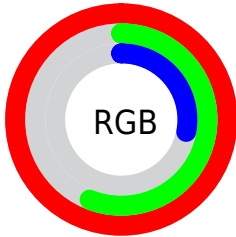
Format	Color
R_{YB}	255, 187, 71
Decimal	16748103
CIE _{Lab}	70.22, 37.43, 55.13
CIE _{LCh}	70, 66.638, 55.824
Yxy	41.0609, 0.4993, 0.3939
Android (android.graphics.Color)	4294938183 (0xFFFF8E47)
YUV	167.6930, -47.6696, 76.5682
Hunter-Lab	64.0788, 32.8488, 34.5541

Details

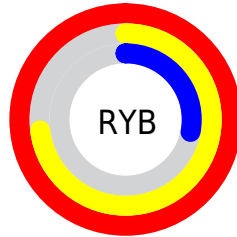
The Yxy color **41.0609, 0.4993, 0.3939** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **42.8066, 0.2081, 0.2359**, and the grayscale version is **39.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6226, 0.4184, 0.4045**, and **18.5625, 0.5441, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **36.4659, 0.5312, 0.3935**, and if you desaturate by 10%, it is **46.4516, 0.4659, 0.3897**.

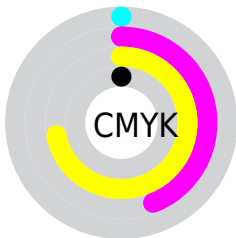
Distribution



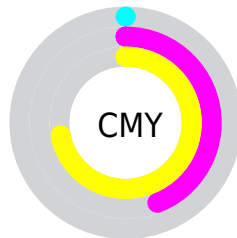
- Red (100%)
- Green (56%)
- Blue (28%)



- Red (100%)
- Yellow (73%)
- Blue (28%)



- Cyan (0%)
- Magenta (44%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0609, 0.4993, 0.3939 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 41.0609, 0.4993, 0.3939 by changing the saturation by 10% instead.

 41.0609, 0.4993,
0.3939

 41.0609, 0.4993,
0.3939


350.5751, 0.4074,
0.3710

 28.3667, 0.5200,
0.3958


 76.7763, 0.4673,
0.3884


 18.6022, 0.5445,
0.3959


 100.5663, 0.4547,
0.3854

 11.3832, 0.5736,
0.3922


 128.8237, 0.4440,
0.3826

 6.3252, 0.6144,
0.3856

 161.9329, 0.4347,
0.3799

 3.0438, 0.6443,
0.3557

 200.2782, 0.4265,
0.3774

 1.1547, 0.6916,
0.3084

244.2441, 0.4194,

 0.0242, 0.9749,

0.3751

0.0251

294.2149, 0.4131,
0.3730

0.0000, 0.0000,
0.0000

41.0609, 0.4993,
0.3939

41.0609, 0.4993,
0.3939

36.4659, 0.5312,
0.3935

46.4516, 0.4659,
0.3897

32.6144, 0.5590,
0.3878


52.6723, 0.4335,
0.3821


30.0820, 0.5769,
0.3801

59.7626, 0.4036,
0.3726

67.7573, 0.3768,
0.3621

76.6891, 0.3535,
0.3514

 86.5889, 0.3333,
0.3409

 97.4860, 0.3161,
0.3311

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



41.0609, 0.4872, 0.3272



41.0609, 0.4993, 0.3939



41.0609, 0.4549, 0.4604

Triad

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



41.0609, 0.4993, 0.3939



41.0609, 0.2095, 0.3981



41.0609, 0.2290, 0.1923

Complementary

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



41.0609, 0.4993, 0.3939



42.8066, 0.2081, 0.2359

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.



41.0609, 0.1753, 0.1918



41.0609, 0.4993, 0.3939



41.0609, 0.1639, 0.2924

Square

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



41.0609, 0.4993, 0.3939



41.0609, 0.2874, 0.4894



41.0609, 0.1537, 0.2224



41.0609, 0.3146, 0.2186

Rectangle

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



41.0609, 0.4993, 0.3939



41.0609, 0.4052, 0.4955



41.0609, 0.1537, 0.2224



41.0609, 0.2074, 0.1891

Sweetspot

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



41.0631, 0.4993, 0.3939



76.8611, 0.3531, 0.3512



29.2374, 0.4017, 0.2251



15.9118, 0.3591, 0.3541



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.



41.0631, 0.4993, 0.3939



34.5205, 0.5453, 0.3914



80.2881, 0.4225, 0.4733



19.1371, 0.3285, 0.3382



15.9863, 0.5739, 0.3825



1.7606, 0.5528, 0.3993

Inverse Universe

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



42.8066, 0.2081, 0.2359



36.0463, 0.1951, 0.2135



16.2831, 0.1786, 0.1186



19.2344, 0.2979, 0.3196



16.5886, 0.1881, 0.1969



1.8271, 0.1927, 0.2136

Previews

White Background



This preview shows how the Yxy color 41.0609, 0.4993, 0.3939 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 41.0609, 0.4993, 0.3939 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 41.0609, 0.4993, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 41.0609, 0.4993, 0.3939.



This preview shows how white text looks on a background with the Yxy color 41.0609, 0.4993, 0.3939.

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

41.0609, 0.4993, 0.3939

Protanopia

41.1606, 0.4079, 0.4455

Deuteranopia

41.2287, 0.4467, 0.4389



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

41.0609, 0.4993, 0.3939



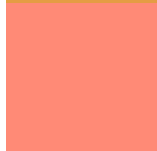
Protanomaly

40.3217, 0.4414, 0.4256



Deuteranomaly

40.8402, 0.4668, 0.4216



Tritanomaly

40.7450, 0.4600, 0.3497

Monochromacy



Original Color

41.0609, 0.4993, 0.3939



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

38.7691, 0.3789, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0609, 0.4993, 0.3939 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 71) }
```

Border

The CSS property to change the border of an element to Yxy 41.0609, 0.4993, 0.3939 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, 71) }
```

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

```
.border{ border-color:rgb(255, 142, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0609, 0.4993, 0.3939 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, 71) }
```

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

```
.background{ background-color: rgb(255,  
142, 71) }
```

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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