

Converting Colors

$Y_{xy}(41.0322, 0.5111, 0.4064)$

Have a look what the booklet for
Yxy(41.0322, 0.5111, 0.4064)
contains.

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Color

Yxy(41.1439, 0.5107, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F33
RGB	255, 143, 51
RGB Percent	100%, 56%, 20%
CMY	0.0000, 0.4392, 0.7998
CMYK	0.00, 0.44, 0.80, 0.00
HSL	27°, 100%, 60%
HSV	27°, 80%, 100%
XYZ	51.6651, 41.1439, 8.3562
YIQ	166.0000, 96.2840, -4.8680

Conversions

Conversions Part 2

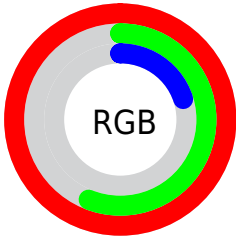
Format	Color
R _Y B	255, 219, 51
Decimal	16748339
CIE Lab	70.28, 36.18, 63.76
CIE LCh	70, 73.309, 60.430
Yxy	41.1439, 0.5107, 0.4067
Android (android.graphics.Color)	4294938419 (0xFFFF8F33)
YUV	166.0000, -56.6950, 78.0530
Hunter-Lab	64.1435, 31.5236, 37.1765

Details

The Yxy color **41.1439, 0.5107, 0.4067** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.1396, 0.1958, 0.2055**, and the grayscale version is **38.3790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6476, 0.4308, 0.4222**, and **18.6886, 0.5487, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **37.0311, 0.5367, 0.4034**, and if you desaturate by 10%, it is **45.9036, 0.4815, 0.4046**.

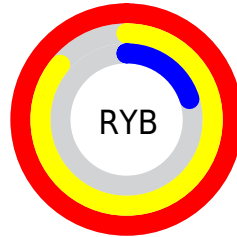
Distribution



Red (100%)

Green (56%)

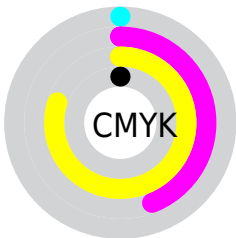
Blue (20%)



Red (100%)

Yellow (86%)

Blue (20%)

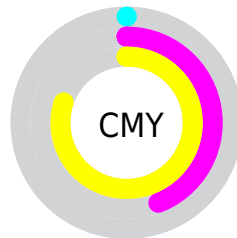


Cyan (0%)

Magenta (44%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1439, 0.5107, 0.4067 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 41.1439, 0.5107, 0.4067 by changing the saturation by 10% instead.


 41.1439, 0.5107,
0.4067


 41.1439, 0.5107,
0.4067


350.9217, 0.4155,
0.3802


 28.4315, 0.5309,
0.4083

 76.9023, 0.4784,
0.4007


 18.6512, 0.5540,
0.4076


 100.7171, 0.4655,
0.3973


 11.4185, 0.5823,
0.4037


 129.0015, 0.4543,
0.3940

 6.3491, 0.6105,
0.3895

 162.1400, 0.4445,
0.3909

 3.0585, 0.6396,
0.3604

 200.5168, 0.4359,
0.3879

 1.1623, 0.6858,
0.3142

 244.5165, 0.4283,

 0.0306, 0.9676,

0.3852

0.0324

294.5233, 0.4215,
0.3826

■ 0.0000, 0.0000,
0.0000

■ 41.1439, 0.5107,
0.4067

■ 41.1439, 0.5107,
0.4067

■ 37.0311, 0.5367,
0.4034

■ 45.9036, 0.4815,
0.4046

■ 33.5189, 0.5582,
0.3950

■ 51.3479, 0.4513,
0.3981

■ 33.5122, 0.5582,
0.3950

■ 57.5083, 0.4219,
0.3885

■ 64.4144, 0.3946,
0.3770

■ 72.0936, 0.3699,
0.3647

80.5718, 0.3481,
0.3523

89.8735, 0.3291,
0.3403

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.



41.1439, 0.5104, 0.3353



41.1439, 0.5107, 0.4067



41.1439, 0.4531, 0.4789

Triad

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



41.1439, 0.5107, 0.4067



41.1439, 0.1897, 0.3857



41.1439, 0.2335, 0.1847

Complementary

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



41.1439, 0.5107, 0.4067



34.1396, 0.1958, 0.2055

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.



41.1439, 0.1712, 0.1793



41.1439, 0.5107, 0.4067



41.1439, 0.1482, 0.2726

Square

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



41.1439, 0.5107, 0.4067



41.1439, 0.2686, 0.4969



41.1439, 0.1435, 0.2052



41.1439, 0.3307, 0.2164

Rectangle

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



41.1439, 0.5107, 0.4067



41.1439, 0.3962, 0.5162



41.1439, 0.1435, 0.2052



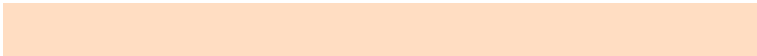
41.1439, 0.2087, 0.1798

Sweetspot

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



41.1433, 0.5107, 0.4067



77.0653, 0.3565, 0.3572



26.2847, 0.4357, 0.2335



15.8536, 0.3644, 0.3617



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.



41.1433, 0.5107, 0.4067



34.8506, 0.5500, 0.3987



86.6849, 0.4204, 0.4896



19.3356, 0.3283, 0.3398



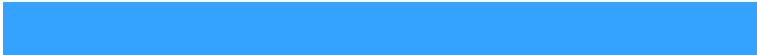
17.7995, 0.5555, 0.3972



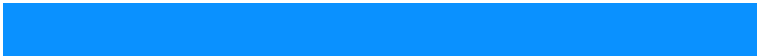
1.9477, 0.5361, 0.4125

Inverse Universe

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



34.1396, 0.1958, 0.2055



27.4265, 0.1833, 0.1780



11.2894, 0.1648, 0.0882



19.0315, 0.2979, 0.3180



13.8820, 0.1817, 0.1741



1.5700, 0.1870, 0.1932

Previews

White Background



This preview shows how the Yxy color 41.1439, 0.5107, 0.4067 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 41.1439, 0.5107, 0.4067 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 41.1439, 0.5107, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 41.1439, 0.5107, 0.4067.



This preview shows how white text looks on a background with the Yxy color 41.1439, 0.5107, 0.4067.

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

41.1439, 0.5107, 0.4067

Protanopia

41.5404, 0.4218, 0.4645

Deuteranopia

41.1205, 0.4618, 0.4505



Tritanopia

41.1957, 0.4309, 0.3210

Trichromacy



Original Color

41.1439, 0.5107, 0.4067

Protanomaly

40.7251, 0.4557, 0.4423

Deuteranomaly

40.9631, 0.4803, 0.4339

Tritanomaly

40.8729, 0.4666, 0.3575

Monochromacy



Original Color

41.1439, 0.5107, 0.4067

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.9147, 0.3862, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1439, 0.5107, 0.4067 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 51) }
```

Border

The CSS property to change the border of an element to Yxy 41.1439, 0.5107, 0.4067 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, 51) }
```

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

```
.border{ border-color:rgb(255, 143, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1439, 0.5107, 0.4067 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
143, 51) }
```

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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