

Converting Colors

$Y_{xy}(42.1875, 0.5001, 0.4040)$

Have a look what the booklet for
Yxy(42.1875, 0.5001, 0.4040)
contains.

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Color

Yxy(41.9764, 0.5006, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	FE923E
RGB	254, 146, 62
RGB Percent	100%, 57%, 24%
CMY	0.0039, 0.4275, 0.7566
CMYK	0.00, 0.43, 0.76, 0.00
HSL	26°, 99%, 62%
HSV	26°, 76%, 100%
XYZ	52.0262, 41.9764, 9.9251
YIQ	168.7160, 91.3320, -3.2280

Conversions

Conversions Part 2

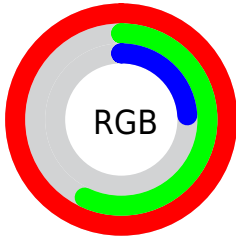
Format	Color
RYB	254, 211, 62
Decimal	16683582
CIELab	70.85, 34.63, 59.74
CIElCh	71, 69.053, 59.897
Yxy	41.9764, 0.5006, 0.4039
Android (android.graphics.Color)	4294873662 (0xFFFE923E)
YUV	168.7160, -52.6110, 74.7941
Hunter-Lab	64.7892, 29.9557, 36.2698

Details

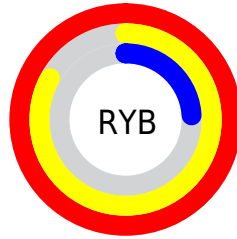
The Yxy color **41.9764, 0.5006, 0.4039** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.9580, 0.2012, 0.2170**, and the grayscale version is **39.7632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2482, 0.4223, 0.4164**, and **19.0818, 0.5433, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **37.6270, 0.5290, 0.4028**, and if you desaturate by 10%, it is **47.0114, 0.4700, 0.4000**.

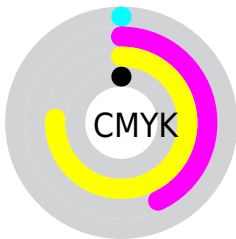
Distribution



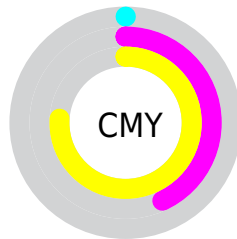
- Red (100%)
- Green (57%)
- Blue (24%)



- Red (100%)
- Yellow (83%)
- Blue (24%)



- Cyan (0%)
- Magenta (43%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9764, 0.5006, 0.4039 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 41.9764, 0.5006, 0.4039 by changing the saturation by 10% instead.


 41.9764, 0.5006,
0.4039


 41.9764, 0.5006,
0.4039

354.3851, 0.4095,
0.3771


 29.0828, 0.5204,
0.4063


 78.1639, 0.4693,
0.3972


 19.1435, 0.5436,
0.4069


 102.2266, 0.4569,
0.3938

 11.7740, 0.5706,
0.4038


 130.7812, 0.4462,
0.3905

 6.5900, 0.6044,
0.3956

 164.2119, 0.4369,
0.3874

 3.2070, 0.6320,
0.3680

 202.9033, 0.4288,
0.3845

 1.2408, 0.6758,
0.3242

247.2397, 0.4216,

 0.0946, 0.9085,

0.3818

0.0915

297.6055, 0.4152,
0.3793

■ 0.0000, 0.0000,
0.0000

■ 41.9764, 0.5006,
0.4039

■ 41.9764, 0.5006,
0.4039

■ 37.6270, 0.5290,
0.4028

■ 47.0114, 0.4700,
0.4000

■ 33.9165, 0.5529,
0.3960

■ 52.7606, 0.4394,
0.3922

■ 32.4594, 0.5622,
0.3918

■ 59.2582, 0.4103,
0.3820

■ 66.5339, 0.3838,
0.3704

■ 74.6153, 0.3602,
0.3583

83.5287, 0.3395,
0.3464

93.2988, 0.3216,
0.3350

99.8132, 0.3121,
0.3290

Harmonies

Analogous

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



41.9764, 0.4976, 0.3355



41.9764, 0.5006, 0.4039



41.9764, 0.4484, 0.4713

Triad

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



41.9764, 0.5006, 0.4039



41.9764, 0.1982, 0.3844



41.9764, 0.2369, 0.1914

Complementary

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



41.9764, 0.5006, 0.4039



36.9580, 0.2012, 0.2170

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.



41.9764, 0.1776, 0.1871



41.9764, 0.5006, 0.4039



41.9764, 0.1570, 0.2786

Square

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



41.9764, 0.5006, 0.4039



41.9764, 0.2740, 0.4857



41.9764, 0.1514, 0.2132



41.9764, 0.3283, 0.2215

Rectangle

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



41.9764, 0.5006, 0.4039



41.9764, 0.3951, 0.5050



41.9764, 0.1514, 0.2132



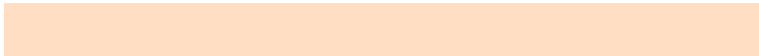
41.9764, 0.2133, 0.1870

Sweetspot

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



41.9786, 0.5006, 0.4039



77.5027, 0.3546, 0.3552



27.4582, 0.4214, 0.2317



15.9211, 0.3625, 0.3596



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.



41.9786, 0.5006, 0.4039



35.8437, 0.5427, 0.3998



84.4598, 0.4193, 0.4834



19.2940, 0.3283, 0.3394



17.3927, 0.5594, 0.3940



1.9063, 0.5396, 0.4097

Inverse Universe

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



36.9580, 0.2012, 0.2170



30.3562, 0.1878, 0.1908



13.1945, 0.1713, 0.1009



19.0738, 0.2979, 0.3183



14.4170, 0.1830, 0.1788



1.6214, 0.1882, 0.1975

Previews

White Background



This preview shows how the Yxy color 41.9764, 0.5006, 0.4039 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 41.9764, 0.5006, 0.4039 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 41.9764, 0.5006, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 41.9764, 0.5006, 0.4039.



This preview shows how white text looks on a background with the Yxy color 41.9764, 0.5006, 0.4039.

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

41.9764, 0.5006, 0.4039

Protanopia

42.1836, 0.4157, 0.4556

Deuteranopia

42.1012, 0.4545, 0.4442



Tritanopia

41.8952, 0.4255, 0.3189

Trichromacy



Original Color

41.9764, 0.5006, 0.4039

Protanomaly

41.5551, 0.4473, 0.4363

Deuteranomaly

41.7481, 0.4720, 0.4289

Tritanomaly

41.8904, 0.4584, 0.3548

Monochromacy



Original Color

41.9764, 0.5006, 0.4039

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.3808, 0.3810, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9764, 0.5006, 0.4039 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(254, 146, 62)` looks like.

```
.text, #text, p{  
    color:rgb(254, 146, 62)  
}
```

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(254, 146, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 146, 62) }
```

Border

The CSS property to change the border of an element to Yxy 41.9764, 0.5006, 0.4039 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(254, 146, 62) }
```

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

```
.border{ border-color:rgb(254, 146, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 146, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 146, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 146, 62);  
box-shadow:4px 4px 4px 4px rgb(254, 146,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9764, 0.5006, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 146, 62) }
```

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

```
.background{ background-color: rgb(254,  
146, 62) }
```

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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