

Converting Colors

$Y_{xy}(42.0204, 0.5016, 0.4028)$

Have a look what the booklet for
Yxy(42.0204, 0.5016, 0.4028)
contains.

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Color

Yxy(42.1656, 0.5014, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	FF923E
RGB	255, 146, 62
RGB Percent	100%, 57%, 24%
CMY	0.0000, 0.4275, 0.7568
CMYK	0.00, 0.43, 0.76, 0.00
HSL	26°, 100%, 62%
HSV	26°, 76%, 100%
XYZ	52.3961, 42.1656, 9.9379
YIQ	169.0150, 91.9280, -3.0160

Conversions

Conversions Part 2

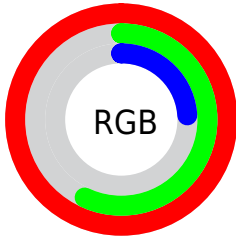
Format	Color
R _Y B	255, 211, 62
Decimal	16749118
CIE Lab	70.98, 35.04, 59.93
CIE LCh	71, 69.418, 59.685
Yxy	42.1656, 0.5014, 0.4035
Android (android.graphics.Color)	4294939198 (0xFFFF923E)
YUV	169.0150, -52.7584, 75.4088
Hunter-Lab	64.9350, 30.3954, 36.3806

Details

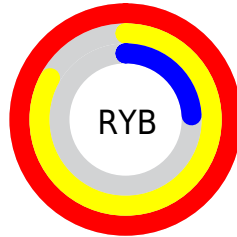
The Yxy color **42.1656, 0.5014, 0.4035** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.3839, 0.2012, 0.2174**, and the grayscale version is **39.9139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2482, 0.4223, 0.4164**, and **19.2119, 0.5442, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **37.7811, 0.5298, 0.4023**, and if you desaturate by 10%, it is **47.2357, 0.4707, 0.3997**.

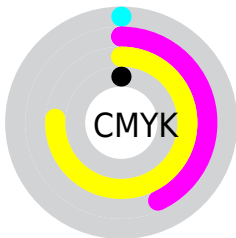
Distribution



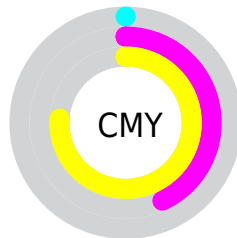
- Red (100%)
- Green (57%)
- Blue (24%)



- 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 42.1656, 0.5014, 0.4035 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 42.1656, 0.5014, 0.4035 by changing the saturation by 10% instead.


 42.1656, 0.5014,
0.4035

 42.1656, 0.5014,
0.4035


355.1690, 0.4100,
0.3770


 29.2310, 0.5213,
0.4058


 78.4502, 0.4700,
0.3970


 19.2556, 0.5445,
0.4063


 102.5690, 0.4576,
0.3936


 11.8551, 0.5715,
0.4030


 131.1846, 0.4469,
0.3903

 6.6451, 0.6054,
0.3946

 164.6814, 0.4375,
0.3872

 3.2412, 0.6330,
0.3670

 203.4439, 0.4294,
0.3844

 1.2589, 0.6768,
0.3232

247.8563, 0.4221,

 0.1090, 0.8984,

0.3817

0.1016

298.3032, 0.4157,
0.3793

■ 0.0000, 0.0000,
0.0000

■ 42.1656, 0.5014,
0.4035

■ 42.1656, 0.5014,
0.4035

■ 37.7811, 0.5298,
0.4023

■ 47.2357, 0.4707,
0.3997

■ 34.0491, 0.5538,
0.3954


■ 53.0350, 0.4399,
0.3920


■ 32.6186, 0.5628,
0.3913

■ 59.5936, 0.4108,
0.3818

■ 66.9415, 0.3841,
0.3703

■ 75.1071, 0.3604,
0.3583

 84.1169, 0.3397,
0.3465

 93.9962, 0.3218,
0.3351

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.



42.1656, 0.4980, 0.3350



42.1656, 0.5014, 0.4035



42.1656, 0.4493, 0.4712

Triad

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



42.1656, 0.5014, 0.4035



42.1656, 0.1982, 0.3854



42.1656, 0.2361, 0.1909

Complementary

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



42.1656, 0.5014, 0.4035



37.3839, 0.2012, 0.2174

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.



42.1656, 0.1769, 0.1867



42.1656, 0.5014, 0.4035



42.1656, 0.1567, 0.2790

Square

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



42.1656, 0.5014, 0.4035



42.1656, 0.2745, 0.4869



42.1656, 0.1509, 0.2131



42.1656, 0.3276, 0.2209

Rectangle

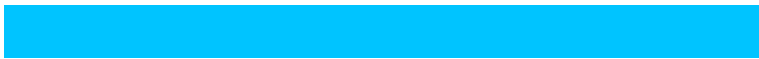
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1656, 0.5014, 0.4035



42.1656, 0.3959, 0.5053



42.1656, 0.1509, 0.2131



42.1656, 0.2125, 0.1865

Sweetspot

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



42.1630, 0.5014, 0.4035



77.4346, 0.3546, 0.3551



27.6627, 0.4216, 0.2316



15.9048, 0.3625, 0.3594



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.



42.1630, 0.5014, 0.4035



35.7163, 0.5432, 0.3993



85.1928, 0.4194, 0.4835



19.2872, 0.3283, 0.3394



17.3282, 0.5600, 0.3935



1.8998, 0.5402, 0.4093

Inverse Universe

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



37.3839, 0.2012, 0.2174



30.5236, 0.1880, 0.1915



13.2623, 0.1711, 0.1006



19.0807, 0.2979, 0.3184



14.5051, 0.1832, 0.1796



1.6298, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 42.1656, 0.5014, 0.4035 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 42.1656, 0.5014, 0.4035 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 42.1656, 0.5014, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 42.1656, 0.5014, 0.4035.



This preview shows how white text looks on a background with the Yxy color 42.1656, 0.5014, 0.4035.

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

42.1656, 0.5014, 0.4035

Protanopia

42.1836, 0.4157, 0.4556

Deuteranopia

42.1012, 0.4545, 0.4442



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.1656, 0.5014, 0.4035

Protanomaly

41.5551, 0.4473, 0.4363

Deuteranomaly

41.7481, 0.4720, 0.4289

Tritanomaly

41.8904, 0.4584, 0.3548

Monochromacy



Original Color

42.1656, 0.5014, 0.4035

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 42.1656, 0.5014, 0.4035 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, 146, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 146, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 62) }
```

Border

The CSS property to change the border of an element to Yxy 42.1656, 0.5014, 0.4035 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, 146, 62) }
```

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

```
.border{ border-color:rgb(255, 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(255, 146, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1656, 0.5014, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 62) }
```

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

```
.background{ background-color: rgb(255,  
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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