

Converting Colors

$Y_{xy}(44.3829, 0.5037, 0.3890)$

Have a look what the booklet for
Yxy(44.3829, 0.5037, 0.3890)
contains.

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Color

Yxy(41.7145, 0.4945, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	FF904B
RGB	255, 144, 75
RGB Percent	100%, 56%, 29%
CMY	0.0000, 0.4353, 0.7059
CMYK	0.00, 0.44, 0.71, 0.00
HSL	23°, 100%, 65%
HSV	23°, 71%, 100%
XYZ	52.4881, 41.7145, 11.9412
YIQ	169.3230, 88.3050, 2.0730

Conversions

Conversions Part 2

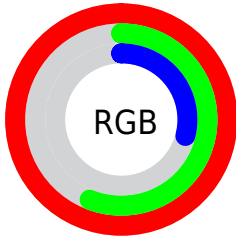
Format	Color
RYB	255, 187, 75
Decimal	16748619
CIELab	70.67, 36.62, 53.70
CIElCh	71, 65.002, 55.710
Yxy	41.7145, 0.4945, 0.3930
Android (android.graphics.Color)	4294938699 (0xFFFF904B)
YUV	169.3230, -46.5012, 75.1387
Hunter-Lab	64.5868, 32.0358, 34.2489

Details

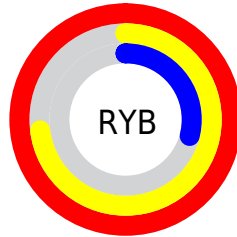
The Yxy color **41.7145, 0.4945, 0.3930** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **43.8343, 0.2100, 0.2390**, and the grayscale version is **40.0447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6392, 0.4144, 0.4027**, and **19.0536, 0.5395, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **36.9951, 0.5270, 0.3934**, and if you desaturate by 10%, it is **47.2350, 0.4610, 0.3882**.

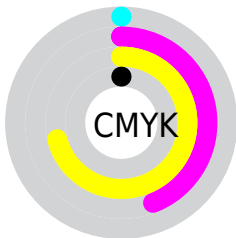
Distribution



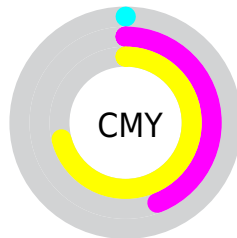
- Red (100%)
- Green (56%)
- Blue (29%)



- Red (100%)
- Yellow (73%)
- Blue (29%)



- Cyan (0%)
- Magenta (44%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7145, 0.4945, 0.3930 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 41.7145, 0.4945, 0.3930 by changing the saturation by 10% instead.

 41.7145, 0.4945,
0.3930

 41.7145, 0.4945,
0.3930


353.2981, 0.4049,
0.3700


 28.8778, 0.5148,
0.3952


 77.7673, 0.4632,
0.3872

 18.9884, 0.5391,
0.3958


 101.7523, 0.4510,
0.3843


 11.6619, 0.5679,
0.3930

 130.2221, 0.4405,
0.3814

 6.5139, 0.6109,
0.3891

 163.5612, 0.4314,
0.3788

 3.1600, 0.6398,
0.3602

 202.1539, 0.4235,
0.3763

 1.2158, 0.6854,
0.3146

246.3847, 0.4165,

 0.0746, 0.9287,

0.3740

0.0713

296.6380, 0.4104,
0.3719

0.0000, 0.0000,
0.0000

41.7145, 0.4945,
0.3930

41.7145, 0.4945,
0.3930

36.9951, 0.5270,
0.3934

47.2350, 0.4610,
0.3882

33.0351, 0.5557,
0.3884


53.6006, 0.4288,
0.3804

29.9480, 0.5777,
0.3795

60.8474, 0.3992,
0.3707

69.0104, 0.3729,
0.3601

78.1221, 0.3501,
0.3495

 88.2135, 0.3304,
0.3392

99.3141, 0.3136,
0.3296

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.



41.7145, 0.4819, 0.3276



41.7145, 0.4945, 0.3930



41.7145, 0.4521, 0.4575

Triad

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



41.7145, 0.4945, 0.3930



41.7145, 0.2127, 0.3964



41.7145, 0.2310, 0.1954

Complementary

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



41.7145, 0.4945, 0.3930



43.8343, 0.2100, 0.2390

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.



41.7145, 0.1784, 0.1952



41.7145, 0.4945, 0.3930



41.7145, 0.1677, 0.2942

Square

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



41.7145, 0.4945, 0.3930



41.7145, 0.2889, 0.4842



41.7145, 0.1573, 0.2256



41.7145, 0.3144, 0.2211

Rectangle

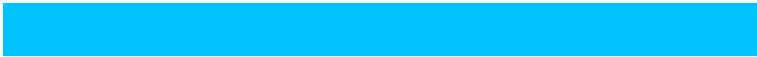
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7145, 0.4945, 0.3930



41.7145, 0.4039, 0.4911



41.7145, 0.1573, 0.2256



41.7145, 0.2098, 0.1923

Sweetspot

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



41.7134, 0.4945, 0.3930



77.7285, 0.3510, 0.3500



29.9660, 0.3950, 0.2236



16.0803, 0.3570, 0.3529



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.



41.7134, 0.4945, 0.3930



35.1578, 0.5403, 0.3919



78.9197, 0.4228, 0.4693



19.1284, 0.3285, 0.3382



15.9147, 0.5747, 0.3819



1.7530, 0.5535, 0.3987

Inverse Universe

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



43.8343, 0.2100, 0.2390



37.1097, 0.1968, 0.2174



17.6391, 0.1819, 0.1262



19.2433, 0.2979, 0.3197



16.7154, 0.1883, 0.1980



1.8390, 0.1929, 0.2145

Previews

White Background



This preview shows how the Yxy color 41.7145, 0.4945, 0.3930 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 41.7145, 0.4945, 0.3930 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 41.7145, 0.4945, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 41.7145, 0.4945, 0.3930.



This preview shows how white text looks on a background with the Yxy color 41.7145, 0.4945, 0.3930.

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

41.7145, 0.4945, 0.3930

Protanopia

42.1187, 0.4046, 0.4430

Deuteranopia

41.9514, 0.4445, 0.4349



Tritanopia

41.5751, 0.4271, 0.3189

Trichromacy



Original Color

41.7145, 0.4945, 0.3930

Protanomaly

41.2355, 0.4377, 0.4236

Deuteranomaly

41.4048, 0.4634, 0.4184

Tritanomaly

41.3966, 0.4555, 0.3488

Monochromacy



Original Color

41.7145, 0.4945, 0.3930

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.1702, 0.3765, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7145, 0.4945, 0.3930 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, 144, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 75)  
}
```

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, 144, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 75) }
```

Border

The CSS property to change the border of an element to Yxy 41.7145, 0.4945, 0.3930 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, 144, 75) }
```

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

```
.border{ border-color:rgb(255, 144, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7145, 0.4945, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 75) }
```

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

```
.background{ background-color: rgb(255,  
144, 75) }
```

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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