

Converting Colors

$Y_{xy}(41.6260, 0.4937, 0.3915)$

Have a look what the booklet for
Yxy(41.6260, 0.4937, 0.3915)
contains.

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Color

Yxy(41.7423, 0.4930, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	FF904D
RGB	255, 144, 77
RGB Percent	100%, 56%, 30%
CMY	0.0000, 0.4353, 0.6982
CMYK	0.00, 0.44, 0.70, 0.00
HSL	23°, 100%, 65%
HSV	23°, 70%, 100%
XYZ	52.5510, 41.7423, 12.3010
YIQ	169.5510, 87.6630, 2.6950

Conversions

Conversions Part 2

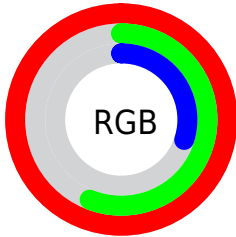
Format	Color
R _Y B	255, 184, 77
Decimal	16748621
CIE Lab	70.69, 36.70, 52.79
CIE LCh	71, 64.291, 55.189
Yxy	41.7423, 0.4930, 0.3916
Android (android.graphics.Color)	4294938701 (0xFFFF904D)
YUV	169.5510, -45.6276, 74.9388
Hunter-Lab	64.6083, 32.1235, 33.9374

Details

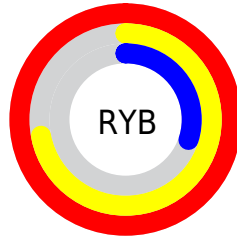
The Yxy color **41.7423, 0.4930, 0.3916** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **44.7398, 0.2112, 0.2418**, and the grayscale version is **40.1617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6918, 0.4129, 0.4008**, and **19.0663, 0.5378, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **36.9708, 0.5260, 0.3922**, and if you desaturate by 10%, it is **47.3373, 0.4592, 0.3867**.

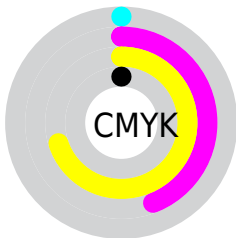
Distribution



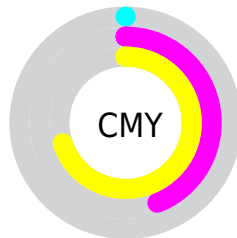
- Red (100%)
- Green (56%)
- Blue (30%)



- Red (100%)
- Yellow (72%)
- Blue (30%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7423, 0.4930, 0.3916 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 41.7423, 0.4930, 0.3916 by changing the saturation by 10% instead.


 41.7423, 0.4930,
0.3916

 41.7423, 0.4930,
0.3916


353.4136, 0.4039,
0.3690


 28.8996, 0.5133,
0.3938


 77.8095, 0.4618,
0.3859

 19.0049, 0.5376,
0.3944


 101.8027, 0.4497,
0.3830


 11.6738, 0.5667,
0.3918


 130.2815, 0.4392,
0.3802

 6.5220, 0.6107,
0.3887

 163.6303, 0.4302,
0.3776

 3.1650, 0.6400,
0.3600

 202.2335, 0.4224,
0.3752

 1.2185, 0.6856,
0.3144

246.4756, 0.4155,

 0.0767, 0.9271,

0.3730

0.0729

296.7408, 0.4094,
0.3709

■ 0.0000, 0.0000,
0.0000

■ 41.7423, 0.4930,
0.3916

■ 41.7423, 0.4930,
0.3916

■ 36.9708, 0.5260,
0.3922

■ 47.3373, 0.4592,
0.3867

■ 32.9704, 0.5554,
0.3876

■ 53.7905, 0.4269,
0.3788


■ 29.6850, 0.5791,
0.3782

■ 61.1421, 0.3974,
0.3692

■ 29.6313, 0.5795,
0.3780

■ 69.4275, 0.3712,
0.3588

■ 78.6800, 0.3485,
0.3484

 88.9311, 0.3291,
0.3383

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.



41.7423, 0.4793, 0.3267



41.7423, 0.4930, 0.3916



41.7423, 0.4520, 0.4555

Triad

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



41.7423, 0.4930, 0.3916



41.7423, 0.2149, 0.3975



41.7423, 0.2306, 0.1963

Complementary

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



41.7423, 0.4930, 0.3916



44.7398, 0.2112, 0.2418

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.



41.7423, 0.1790, 0.1967



41.7423, 0.4930, 0.3916



41.7423, 0.1695, 0.2963

Square

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



41.7423, 0.4930, 0.3916



41.7423, 0.2908, 0.4832



41.7423, 0.1586, 0.2275



41.7423, 0.3128, 0.2214

Rectangle

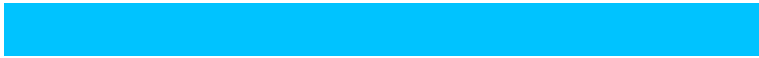
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7423, 0.4930, 0.3916



41.7423, 0.4046, 0.4889



41.7423, 0.1586, 0.2275



41.7423, 0.2098, 0.1934

Sweetspot

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



41.7445, 0.4930, 0.3916



77.5378, 0.3510, 0.3496



30.2671, 0.3937, 0.2242



16.0353, 0.3571, 0.3525



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.



41.7445, 0.4930, 0.3916



35.2079, 0.5389, 0.3910



79.0914, 0.4218, 0.4684



19.1079, 0.3285, 0.3380



15.7470, 0.5766, 0.3804



1.7353, 0.5552, 0.3973

Inverse Universe

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



44.7398, 0.2112, 0.2418



38.0873, 0.1981, 0.2209



18.0450, 0.1831, 0.1284



19.2644, 0.2979, 0.3198



17.0195, 0.1890, 0.2004



1.8675, 0.1935, 0.2166

Previews

White Background



This preview shows how the Yxy color 41.7423, 0.4930, 0.3916 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 41.7423, 0.4930, 0.3916 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 41.7423, 0.4930, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 41.7423, 0.4930, 0.3916.



This preview shows how white text looks on a background with the Yxy color 41.7423, 0.4930, 0.3916.

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

41.7423, 0.4930, 0.3916

Protanopia

42.1505, 0.4032, 0.4408

Deuteranopia

41.8252, 0.4423, 0.4337



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.7423, 0.4930, 0.3916

Protanomaly

41.2660, 0.4362, 0.4217

Deuteranomaly

41.4313, 0.4620, 0.4168

Tritanomaly

41.7149, 0.4538, 0.3488

Monochromacy



Original Color

41.7423, 0.4930, 0.3916

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.6848, 0.3761, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7423, 0.4930, 0.3916 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 77) }
```

Border

The CSS property to change the border of an element to Yxy 41.7423, 0.4930, 0.3916 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, 77) }
```

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

```
.border{ border-color:rgb(255, 144, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7423, 0.4930, 0.3916 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
144, 77) }
```

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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