

Converting Colors

$Y_{xy}(42.9275, 0.4947, 0.3954)$

Have a look what the booklet for
Yxy(42.9275, 0.4947, 0.3954)
contains.

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Color

Yxy(42.6218, 0.4924, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	FF934A
RGB	255, 147, 74
RGB Percent	100%, 58%, 29%
CMY	0.0001, 0.4235, 0.7098
CMYK	0.00, 0.42, 0.71, 0.00
HSL	24°, 100%, 65%
HSV	24°, 71%, 100%
XYZ	52.9039, 42.6218, 11.9152
YIQ	170.9700, 87.8010, 0.1930

Conversions

Conversions Part 2

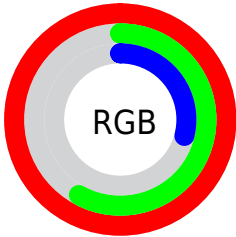
Format	Color
R _Y B	255, 196, 74
Decimal	16749386
CIE Lab	71.30, 35.01, 54.85
CIE LCh	71, 65.072, 57.449
Yxy	42.6218, 0.4924, 0.3967
Android (android.graphics.Color)	4294939466 (0xFFFF934A)
YUV	170.9700, -47.8062, 73.6943
Hunter-Lab	65.2854, 30.3978, 34.8788

Details

The Yxy color **42.6218, 0.4924, 0.3967** 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 **42.1097, 0.2083, 0.2334**, and the grayscale version is **40.9222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0074, 0.4135, 0.4065**, and **19.5760, 0.5362, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **37.9248, 0.5238, 0.3973**, and if you desaturate by 10%, it is **48.0879, 0.4599, 0.3916**.

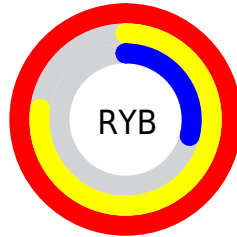
Distribution



Red (100%)

Green (58%)

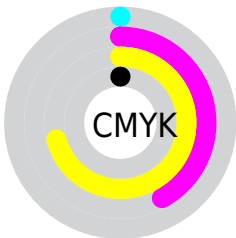
Blue (29%)



Red (100%)

Yellow (77%)

Blue (29%)

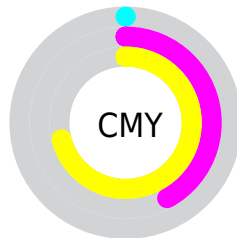


Cyan (0%)

Magenta (42%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6218, 0.4924, 0.3967 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 42.6218, 0.4924, 0.3967 by changing the saturation by 10% instead.


 42.6218, 0.4924,
0.3967

 42.6218, 0.4924,
0.3967


357.0541, 0.4043,
0.3719


 29.5885, 0.5121,
0.3993


 79.1398, 0.4617,
0.3903


 19.5264, 0.5357,
0.4004


 103.3933, 0.4498,
0.3871

 12.0513, 0.5635,
0.3983


 132.1557, 0.4395,
0.3841

 6.7786, 0.6046,
0.3954

 165.8113, 0.4305,
0.3812

 3.3240, 0.6319,
0.3681

 204.7446, 0.4227,
0.3786

 1.3032, 0.6750,
0.3250

249.3398, 0.4159,

 0.1436, 0.8744,

0.3762

0.1256

299.9816, 0.4098,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 42.6218, 0.4924,
0.3967

■ 42.6218, 0.4924,
0.3967

■ 37.9248, 0.5238,
0.3973

■ 48.0879, 0.4599,
0.3916

■ 33.9477, 0.5515,
0.3925


■ 54.3544, 0.4284,
0.3834

■ 30.9335, 0.5720,
0.3840

■ 61.4584, 0.3994,
0.3732

■ 69.4325, 0.3734,
0.3622

■ 78.3072, 0.3507,
0.3510

 88.1114, 0.3311,
0.3402

 98.8727, 0.3142,
0.3300

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



42.6218, 0.4834, 0.3314



42.6218, 0.4924, 0.3967



42.6218, 0.4477, 0.4604

Triad

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



42.6218, 0.4924, 0.3967



42.6218, 0.2098, 0.3898



42.6218, 0.2355, 0.1968

Complementary

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



42.6218, 0.4924, 0.3967



42.1097, 0.2083, 0.2334

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.



42.6218, 0.1812, 0.1951



42.6218, 0.4924, 0.3967



42.6218, 0.1669, 0.2895

Square

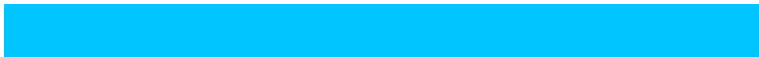
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.6218, 0.4924, 0.3967



42.6218, 0.2842, 0.4797



42.6218, 0.1585, 0.2235



42.6218, 0.3199, 0.2238

Rectangle

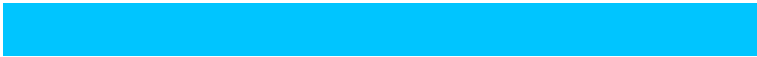
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6218, 0.4924, 0.3967



42.6218, 0.3989, 0.4924



42.6218, 0.1585, 0.2235



42.6218, 0.2138, 0.1933

Sweetspot

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



42.6240, 0.4924, 0.3967



78.3043, 0.3507, 0.3510



29.5540, 0.4037, 0.2286



16.2162, 0.3567, 0.3541



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.



42.6240, 0.4924, 0.3967



36.2489, 0.5355, 0.3960



82.2493, 0.4192, 0.4741



19.1902, 0.3284, 0.3386



16.4403, 0.5691, 0.3864



1.8082, 0.5483, 0.4028

Inverse Universe

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



42.1097, 0.2083, 0.2334



35.4730, 0.1951, 0.2112



16.3441, 0.1797, 0.1189



19.1798, 0.2979, 0.3192



15.8254, 0.1863, 0.1908



1.7553, 0.1912, 0.2081

Previews

White Background



This preview shows how the Yxy color 42.6218, 0.4924, 0.3967 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 42.6218, 0.4924, 0.3967 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 42.6218, 0.4924, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 42.6218, 0.4924, 0.3967.



This preview shows how white text looks on a background with the Yxy color 42.6218, 0.4924, 0.3967.

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

42.6218, 0.4924, 0.3967

Protanopia

42.7538, 0.4066, 0.4441

Deuteranopia

42.6075, 0.4461, 0.4357



Tritanopia

42.5118, 0.4235, 0.3199

Trichromacy



Original Color

42.6218, 0.4924, 0.3967

Protanomaly

42.0884, 0.4377, 0.4262

Deuteranomaly

42.2401, 0.4631, 0.4207

Tritanomaly

42.3101, 0.4526, 0.3509

Monochromacy



Original Color

42.6218, 0.4924, 0.3967

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.1748, 0.3767, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6218, 0.4924, 0.3967 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, 147, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 74)  
}
```

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, 147, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 74) }
```

Border

The CSS property to change the border of an element to Yxy 42.6218, 0.4924, 0.3967 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, 147, 74) }
```

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

```
.border{ border-color:rgb(255, 147, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6218, 0.4924, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 74) }
```

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

```
.background{ background-color: rgb(255,  
147, 74) }
```

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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