

Converting Colors

$Y_{xy}(42.7138, 0.4751, 0.3846)$

Have a look what the booklet for
Yxy(42.7138, 0.4751, 0.3846)
contains.

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Color

Yxy(42.6480, 0.4749, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	FC945C
RGB	252, 148, 92
RGB Percent	99%, 58%, 36%
CMY	0.0118, 0.4195, 0.6392
CMYK	0.00, 0.41, 0.63, 0.01
HSL	21°, 96%, 67%
HSV	21°, 63%, 99%
XYZ	52.6613, 42.6480, 15.5799
YIQ	172.7120, 79.9600, 4.6320

Conversions

Conversions Part 2

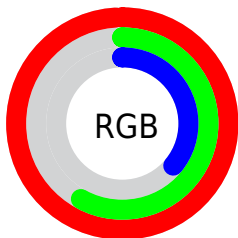
Format	Color
R _Y B	252, 178, 92
Decimal	16553052
CIE Lab	71.32, 34.31, 45.94
CIE LCh	71, 57.332, 53.247
Yxy	42.6480, 0.4749, 0.3846
Android (android.graphics.Color)	4294743132 (0xFFFC945C)
YUV	172.7120, -39.7910, 69.5356
Hunter-Lab	65.3054, 29.6551, 31.5690

Details

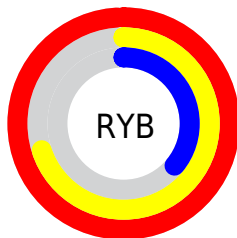
The Yxy color **42.6480, 0.4749, 0.3846** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.7623, 0.2198, 0.2570**, and the grayscale version is **41.8125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9855, 0.3998, 0.3900**, and **19.4873, 0.5168, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **37.5010, 0.5100, 0.3875**, and if you desaturate by 10%, it is **48.6726, 0.4407, 0.3783**.

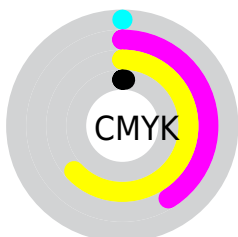
Distribution



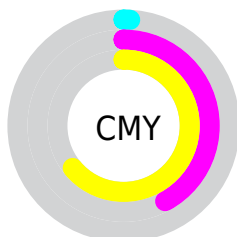
- Red (99%)
- Green (58%)
- Blue (36%)



- Red (99%)
- Yellow (70%)
- Blue (36%)



- Cyan (0%)
- Magenta (41%)
- Yellow (63%)
- Black (1%)





- Cyan (1%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6480, 0.4749, 0.3846 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 42.6480, 0.4749, 0.3846 by changing the saturation by 10% instead.


 42.6480, 0.4749,
0.3846


 42.6480, 0.4749,
0.3846


357.1622, 0.3939,
0.3633


 29.6090, 0.4939,
0.3873


 79.1794, 0.4461,
0.3787


 19.5420, 0.5173,
0.3892


 103.4406, 0.4351,
0.3759

 12.0626, 0.5461,
0.3890


 132.2114, 0.4257,
0.3734

 6.7863, 0.5832,
0.3849

 165.8761, 0.4175,
0.3710

 3.3288, 0.6293,
0.3707

204.8191, 0.4105,
0.3688

 1.3057, 0.6718,
0.3282

249.4249, 0.4043,

 0.1456, 0.8710,

0.3668

0.1290

300.0778, 0.3988,
0.3650

0.0000, 0.0000,
0.0000

42.6480, 0.4749,
0.3846

42.6480, 0.4749,
0.3846

37.5010, 0.5100,
0.3875

48.6726, 0.4407,
0.3783

33.1794, 0.5432,
0.3859

55.6098, 0.4092,
0.3698


29.6345, 0.5715,
0.3790


63.5005, 0.3811,
0.3603

27.7106, 0.5866,
0.3724

72.3809, 0.3568,
0.3506

82.2853, 0.3360,
0.3410

 93.2461, 0.3182,
0.3320

 99.4318, 0.3109,
0.3290

Harmonies

Analogous

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



42.6480, 0.4578, 0.3251



42.6480, 0.4749, 0.3846



42.6480, 0.4427, 0.4416

Triad

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



42.6480, 0.4749, 0.3846



42.6480, 0.2297, 0.3952



42.6480, 0.2354, 0.2079

Complementary

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



42.6480, 0.4749, 0.3846



48.7623, 0.2198, 0.2570

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.



42.6480, 0.1895, 0.2105



42.6480, 0.4749, 0.3846



42.6480, 0.1854, 0.3066

Square

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



42.6480, 0.4749, 0.3846



42.6480, 0.2999, 0.4663



42.6480, 0.1726, 0.2419



42.6480, 0.3081, 0.2294

Rectangle

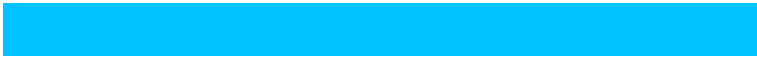
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6480, 0.4749, 0.3846



42.6480, 0.4019, 0.4704



42.6480, 0.1726, 0.2419



42.6480, 0.2169, 0.2059

Sweetspot

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



42.6502, 0.4749, 0.3846



78.7947, 0.3470, 0.3463



32.3301, 0.3801, 0.2279



16.2547, 0.3532, 0.3490



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.



42.6502, 0.4749, 0.3846



37.3168, 0.5188, 0.3876



76.9418, 0.4154, 0.4579



18.2193, 0.3285, 0.3374



14.6862, 0.5836, 0.3748



1.5508, 0.5608, 0.3930

Inverse Universe

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



48.7623, 0.2198, 0.2570



43.8163, 0.2068, 0.2399



21.7912, 0.1949, 0.1505



18.5256, 0.2980, 0.3205



17.7331, 0.1917, 0.2099



1.8411, 0.1961, 0.2258

Previews

White Background



This preview shows how the Yxy color 42.6480, 0.4749, 0.3846 looks on a white background.

Color Contrast Check

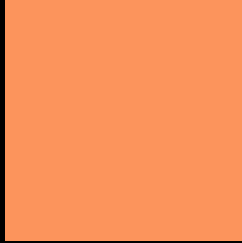
Large Text (above 18pt) WCAG AA × Fail

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 42.6480, 0.4749, 0.3846 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 42.6480, 0.4749, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 42.6480, 0.4749, 0.3846.



This preview shows how white text looks on a background with the Yxy color 42.6480, 0.4749, 0.3846.

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

42.6480, 0.4749, 0.3846

Protanopia

42.8060, 0.3914, 0.4250

Deuteranopia

42.7891, 0.4292, 0.4212



Tritanopia

42.5441, 0.4224, 0.3189

Trichromacy



Original Color

42.6480, 0.4749, 0.3846

Protanomaly

42.0883, 0.4218, 0.4091

Deuteranomaly

42.3569, 0.4462, 0.4076

Tritanomaly

42.6291, 0.4427, 0.3439

Monochromacy



Original Color

42.6480, 0.4749, 0.3846

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1211, 0.3683, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6480, 0.4749, 0.3846 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(252, 148, 92)` looks like.

```
.text, #text, p{  
    color:rgb(252, 148, 92)  
}
```

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(252, 148, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 148, 92) }
```

Border

The CSS property to change the border of an element to Yxy 42.6480, 0.4749, 0.3846 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(252, 148, 92) }
```

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

```
.border{ border-color:rgb(252, 148, 92) }
```

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

Here you see how a box with a 4 pixel rgb(252, 148, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 148, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 148, 92);  
box-shadow:4px 4px 4px 4px rgb(252, 148,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6480, 0.4749, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 148, 92) }
```

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

```
.background{ background-color: rgb(252,  
148, 92) }
```

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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