

Converting Colors

$Y_{xy}(42.1875, 0.4653, 0.3911)$

Have a look what the booklet for
Yxy(42.1875, 0.4653, 0.3911)
contains.

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Color

Yxy(42.1216, 0.4664, 0.3909)

Conversions

Conversions Part 1

Format	Color
Hex	F4975B
RGB	244, 151, 91
RGB Percent	96%, 59%, 36%
CMY	0.0432, 0.4078, 0.6432
CMYK	0.00, 0.38, 0.63, 0.04
HSL	24°, 87%, 66%
HSV	24°, 63%, 96%
XYZ	50.2571, 42.1216, 15.3767
YIQ	171.9670, 74.6880, 1.0560

Conversions

Conversions Part 2

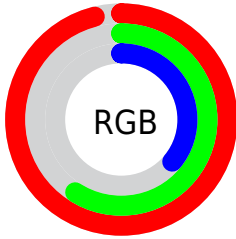
Format	Color
R _Y B	244, 190, 91
Decimal	16029531
CIE Lab	70.95, 29.51, 45.77
CIE LCh	71, 54.461, 57.186
Yxy	42.1216, 0.4664, 0.3909
Android (android.graphics.Color)	4294219611 (0xFFFF4975B)
YUV	171.9670, -39.9167, 63.1729
Hunter-Lab	64.9012, 24.6470, 31.3835

Details

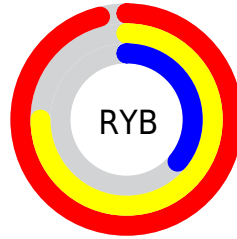
The Yxy color **42.1216, 0.4664, 0.3909** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.0141, 0.2187, 0.2491**, and the grayscale version is **41.4162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3858, 0.3991, 0.3940**, and **19.1581, 0.5067, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **37.2927, 0.4994, 0.3951**, and if you desaturate by 10%, it is **47.6917, 0.4342, 0.3833**.

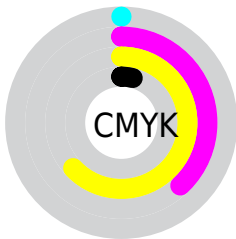
Distribution



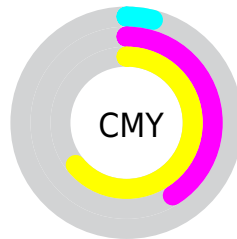
- Red (96%)
- Green (59%)
- Blue (36%)



- Red (96%)
- Yellow (75%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (41%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1216, 0.4664, 0.3909 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 42.1216, 0.4664, 0.3909 by changing the saturation by 10% instead.


 42.1216, 0.4664,
0.3909


 42.1216, 0.4664,
0.3909


354.9868, 0.3896,
0.3658


 29.1965, 0.4845,
0.3947


 78.3836, 0.4391,
0.3835


 19.2295, 0.5067,
0.3981


 102.4894, 0.4286,
0.3802

 11.8363, 0.5341,
0.3997

 131.0908, 0.4197,
0.3772

 6.6323, 0.5697,
0.3984

 164.5723, 0.4120,
0.3744

 3.2332, 0.6128,
0.3872

203.3182, 0.4053,
0.3719

 1.2547, 0.6521,
0.3479

247.7130, 0.3994,

 0.1057, 0.8859,

0.3697

0.1141

298.1411, 0.3942,
0.3677

0.0000, 0.0000,
0.0000

42.1216, 0.4664,
0.3909

42.1216, 0.4664,
0.3909

37.2927, 0.4994,
0.3951

47.6917, 0.4342,
0.3833

33.1625, 0.5308,
0.3947

54.0295, 0.4044,
0.3737

29.6929, 0.5581,
0.3889

61.1679, 0.3778,
0.3631


27.5457, 0.5747,
0.3819

69.1356, 0.3544,
0.3522

77.9599, 0.3342,
0.3416

 87.6667, 0.3169,
0.3316

 97.8366, 0.3060,
0.3288

 97.9691, 0.3059,
0.3290

Harmonies

Analogous

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



42.1216, 0.4562, 0.3333



42.1216, 0.4664, 0.3909



42.1216, 0.4310, 0.4439

Triad

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



42.1216, 0.4664, 0.3909



42.1216, 0.2262, 0.3809



42.1216, 0.2466, 0.2139

Complementary

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



42.1216, 0.4664, 0.3909



43.0141, 0.2187, 0.2491

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.



42.1216, 0.1985, 0.2134



42.1216, 0.4664, 0.3909



42.1216, 0.1871, 0.2982

Square

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



42.1216, 0.4664, 0.3909



42.1216, 0.2914, 0.4531



42.1216, 0.1784, 0.2401



42.1216, 0.3190, 0.2375

Rectangle

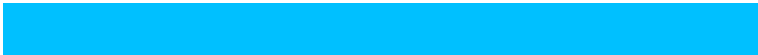
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1216, 0.4664, 0.3909



42.1216, 0.3900, 0.4681



42.1216, 0.1784, 0.2401



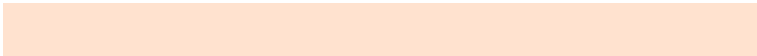
42.1216, 0.2275, 0.2110

Sweetspot

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



42.1238, 0.4664, 0.3909



79.8970, 0.3467, 0.3483



30.2267, 0.3853, 0.2337



16.5189, 0.3527, 0.3514



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.



42.1238, 0.4664, 0.3909



40.0323, 0.5074, 0.3955



74.4472, 0.4109, 0.4606



17.5491, 0.3284, 0.3383



15.2283, 0.5719, 0.3841



1.5324, 0.5488, 0.4025

Inverse Universe

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



43.0141, 0.2187, 0.2491



40.9273, 0.2049, 0.2300



19.6572, 0.1951, 0.1470



17.6026, 0.2980, 0.3195



15.3862, 0.1875, 0.1950



1.5520, 0.1927, 0.2135

Previews

White Background



This preview shows how the Yxy color 42.1216, 0.4664, 0.3909 looks on a white background.

Color Contrast Check

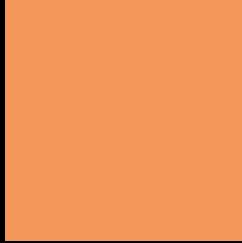
Large Text (above 18pt) WCAG AA × Fail

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 42.1216, 0.4664, 0.3909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

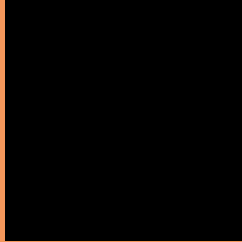
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1216, 0.4664, 0.3909

Background



This preview shows how black text looks on a background with the Yxy color 42.1216, 0.4664, 0.3909.



This preview shows how white text looks on a background with the Yxy color 42.1216, 0.4664, 0.3909.

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

42.1216, 0.4664, 0.3909

Protanopia

42.2493, 0.3925, 0.4266

Deuteranopia

42.2732, 0.4291, 0.4205



Tritanopia

41.9345, 0.4116, 0.3174

Trichromacy



Original Color

42.1216, 0.4664, 0.3909

Protanomaly

41.8186, 0.4189, 0.4138

Deuteranomaly

42.2186, 0.4426, 0.4098

Tritanomaly

41.9706, 0.4340, 0.3454

Monochromacy



Original Color

42.1216, 0.4664, 0.3909

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.5399, 0.3652, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1216, 0.4664, 0.3909 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(244, 151, 91)` looks like.

```
.text, #text, p{  
    color:rgb(244, 151, 91)  
}
```

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(244, 151, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 151, 91) }
```

Border

The CSS property to change the border of an element to Yxy 42.1216, 0.4664, 0.3909 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(244, 151, 91) }
```

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

```
.border{ border-color:rgb(244, 151, 91) }
```

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

Here you see how a box with a 4 pixel rgb(244, 151, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 151, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 151, 91);  
box-shadow:4px 4px 4px 4px rgb(244, 151,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1216, 0.4664, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 151, 91) }
```

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

```
.background{ background-color: rgb(244,  
151, 91) }
```

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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