

Converting Colors

$Y_{xy}(42.3950, 0.4731, 0.3904)$

Have a look what the booklet for
Yxy(42.3950, 0.4731, 0.3904)
contains.

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Color

Yxy(42.4904, 0.4724, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	F89659
RGB	248, 150, 89
RGB Percent	97%, 59%, 35%
CMY	0.0274, 0.4118, 0.6509
CMYK	0.00, 0.40, 0.64, 0.03
HSL	23°, 92%, 66%
HSV	23°, 64%, 97%
XYZ	51.4283, 42.4904, 14.9473
YIQ	172.3480, 77.9890, 1.8050

Conversions

Conversions Part 2

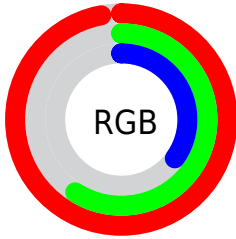
Format	Color
R _Y B	248, 188, 89
Decimal	16291417
CIE Lab	71.21, 31.54, 47.19
CIE LCh	71, 56.756, 56.241
Yxy	42.4904, 0.4724, 0.3903
Android (android.graphics.Color)	4294481497 (0xFFFF89659)
YUV	172.3480, -41.0906, 66.3468
Hunter-Lab	65.1847, 26.7568, 32.0336

Details

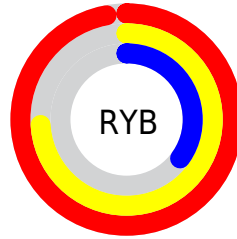
The Yxy color **42.4904, 0.4724, 0.3903** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.4694, 0.2174, 0.2489**, and the grayscale version is **41.6252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8457, 0.4011, 0.3950**, and **19.4534, 0.5138, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **37.5778, 0.5058, 0.3937**, and if you desaturate by 10%, it is **48.1847, 0.4396, 0.3833**.

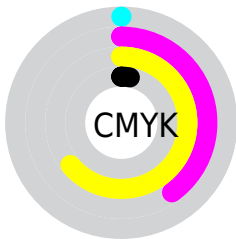
Distribution



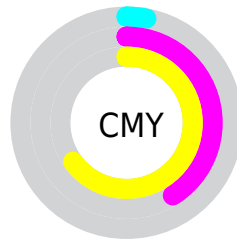
- Red (97%)
- Green (59%)
- Blue (35%)



- Red (97%)
- Yellow (74%)
- Blue (35%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (3%)



- Cyan (3%)
- Magenta (41%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4904, 0.4724, 0.3903 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 42.4904, 0.4724, 0.3903 by changing the saturation by 10% instead.


 42.4904, 0.4724,
0.3903


 42.4904, 0.4724,
0.3903


356.5118, 0.3929,
0.3661

 29.4855, 0.4910,
0.3937


 78.9413, 0.4442,
0.3834

 19.4484, 0.5137,
0.3964


 103.1560, 0.4334,
0.3802

 11.9947, 0.5416,
0.3971


 131.8762, 0.4241,
0.3773

 6.7401, 0.5781,
0.3948

 165.4862, 0.4161,
0.3746

 3.3001, 0.6196,
0.3804

204.3703, 0.4092,
0.3722

 1.2903, 0.6601,
0.3399

248.9130, 0.4031,

 0.1337, 0.8704,

0.3700

0.1296

299.4987, 0.3977,
0.3680

0.0000, 0.0000,
0.0000

42.4904, 0.4724,
0.3903

42.4904, 0.4724,
0.3903

37.5778, 0.5058,
0.3937

48.1847, 0.4396,
0.3833

33.4009, 0.5373,
0.3923

54.6898, 0.4091,
0.3742

29.9181, 0.5641,
0.3856

62.0413, 0.3817,
0.3638

28.1637, 0.5774,
0.3797

70.2703, 0.3577,
0.3532

79.4063, 0.3370,
0.3428

 89.4773, 0.3192,
0.3329

 98.7009, 0.3084,
0.3290

Harmonies

Analogous

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



42.4904, 0.4606, 0.3310



42.4904, 0.4724, 0.3903



42.4904, 0.4365, 0.4459

Triad

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



42.4904, 0.4724, 0.3903



42.4904, 0.2246, 0.3858



42.4904, 0.2421, 0.2099

Complementary

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



42.4904, 0.4724, 0.3903



44.4694, 0.2174, 0.2489

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.



42.4904, 0.1937, 0.2099



42.4904, 0.4724, 0.3903



42.4904, 0.1837, 0.2990

Square

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



42.4904, 0.4724, 0.3903



42.4904, 0.2925, 0.4602



42.4904, 0.1740, 0.2381



42.4904, 0.3164, 0.2335

Rectangle

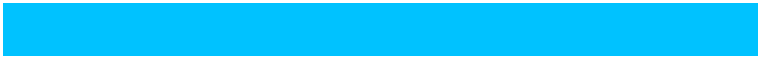
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4904, 0.4724, 0.3903



42.4904, 0.3944, 0.4723



42.4904, 0.1740, 0.2381



42.4904, 0.2228, 0.2071

Sweetspot

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



42.4926, 0.4724, 0.3903



79.6624, 0.3468, 0.3479



30.7010, 0.3877, 0.2321



16.4626, 0.3528, 0.3509



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.



42.4926, 0.4724, 0.3903



38.6051, 0.5156, 0.3938



76.9842, 0.4128, 0.4628



18.3162, 0.3284, 0.3381



15.4612, 0.5745, 0.3820



1.6299, 0.5523, 0.3997

Inverse Universe

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



44.4694, 0.2174, 0.2489



40.6656, 0.2036, 0.2293



19.5397, 0.1924, 0.1425



18.4253, 0.2980, 0.3197



16.2317, 0.1884, 0.1980



1.7083, 0.1932, 0.2154

Previews

White Background



This preview shows how the Yxy color 42.4904, 0.4724, 0.3903 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 42.4904, 0.4724, 0.3903 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 42.4904, 0.4724, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 42.4904, 0.4724, 0.3903.



This preview shows how white text looks on a background with the Yxy color 42.4904, 0.4724, 0.3903.

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

42.4904, 0.4724, 0.3903

Protanopia

42.7483, 0.3937, 0.4285

Deuteranopia

42.3754, 0.4323, 0.4230



Tritanopia

42.3414, 0.4169, 0.3177

Trichromacy



Original Color

42.4904, 0.4724, 0.3903

Protanomaly

42.0957, 0.4216, 0.4142

Deuteranomaly

42.1444, 0.4477, 0.4108

Tritanomaly

42.3717, 0.4394, 0.3451

Monochromacy



Original Color

42.4904, 0.4724, 0.3903

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7833, 0.3682, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4904, 0.4724, 0.3903 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(248, 150, 89)` looks like.

```
.text, #text, p{  
    color:rgb(248, 150, 89)  
}
```

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(248, 150, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 150, 89) }
```

Border

The CSS property to change the border of an element to Yxy 42.4904, 0.4724, 0.3903 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(248, 150, 89) }
```

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

```
.border{ border-color:rgb(248, 150, 89) }
```

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

Here you see how a box with a 4 pixel rgb(248, 150, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 150, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 150, 89);  
box-shadow:4px 4px 4px 4px rgb(248, 150,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4904, 0.4724, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 150, 89) }
```

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

```
.background{ background-color: rgb(248,  
150, 89) }
```

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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