

Converting Colors

$Y_{xy}(42.0864, 0.4538, 0.3758)$

Have a look what the booklet for
Yxy(42.0864, 0.4538, 0.3758)
contains.

Yxy(42.0864, 0.4538, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0864, 0.4538, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	F4966A
RGB	244, 150, 106
RGB Percent	96%, 59%, 42%
CMY	0.0431, 0.4118, 0.5843
CMYK	0.00, 0.39, 0.57, 0.04
HSL	19°, 86%, 69%
HSV	19°, 57%, 96%
XYZ	50.8217, 42.0864, 19.0833
YIQ	173.0900, 70.1480, 6.2440

Conversions

Conversions Part 2

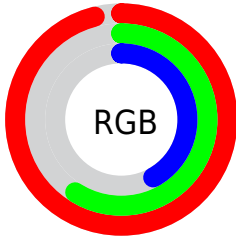
Format	Color
R _Y B	244, 171, 106
Decimal	16029290
CIE Lab	70.93, 31.13, 37.95
CIE LCh	71, 49.086, 50.645
Yxy	42.0864, 0.4538, 0.3758
Android (android.graphics.Color)	4294219370 (0xFFFF4966A)
YUV	173.0900, -33.0754, 62.1881
Hunter-Lab	64.8740, 26.3057, 27.9711

Details

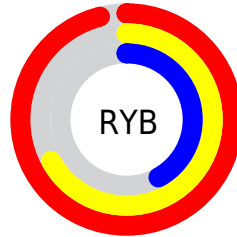
The Yxy color **42.0864, 0.4538, 0.3758** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.9233, 0.2296, 0.2723**, and the grayscale version is **41.9841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3913, 0.3883, 0.3779**, and **19.2211, 0.4939, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **36.7164, 0.4899, 0.3806**, and if you desaturate by 10%, it is **48.3579, 0.4202, 0.3687**.

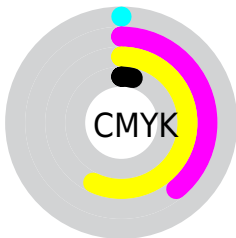
Distribution



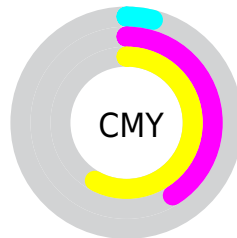
- Red (96%)
- Green (59%)
- Blue (42%)



- Red (96%)
- Yellow (67%)
- Blue (42%)



- Cyan (0%)
- Magenta (39%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0864, 0.4538, 0.3758 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 42.0864, 0.4538, 0.3758 by changing the saturation by 10% instead.


 42.0864, 0.4538,
0.3758

 42.0864, 0.4538,
0.3758


354.8410, 0.3824,
0.3568

 29.1690, 0.4712,
0.3788


 78.3304, 0.4280,
0.3701


 19.2087, 0.4930,
0.3814


 102.4257, 0.4183,
0.3676

 11.8212, 0.5208,
0.3830


 131.0157, 0.4100,
0.3654

 6.6220, 0.5567,
0.3812

 164.4849, 0.4029,
0.3633

 3.2269, 0.6189,
0.3811

203.2177, 0.3967,
0.3614

 1.2513, 0.6597,
0.3403

247.5983, 0.3913,

 0.1030, 0.8928,

0.3598

0.1072

298.0113, 0.3866,
0.3582

0.0000, 0.0000,
0.0000

42.0864, 0.4538,
0.3758

42.0864, 0.4538,
0.3758

36.7164, 0.4899,
0.3806

48.3579, 0.4202,
0.3687

32.1973, 0.5262,
0.3817

55.5651, 0.3903,
0.3602

28.4827, 0.5595,
0.3781

63.7485, 0.3643,
0.3514

25.5175, 0.5865,
0.3696

72.9439, 0.3421,
0.3426

24.6526, 0.5945,
0.3662

83.1852, 0.3234,
0.3342

94.5048, 0.3076,
0.3264

97.9766, 0.3060,
0.3290

Harmonies

Analogous

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



42.0864, 0.4340, 0.3228



42.0864, 0.4538, 0.3758



42.0864, 0.4308, 0.4255

Triad

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



42.0864, 0.4538, 0.3758



42.0864, 0.2459, 0.3919



42.0864, 0.2410, 0.2214

Complementary

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



42.0864, 0.4538, 0.3758



50.9233, 0.2296, 0.2723

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.



42.0864, 0.2019, 0.2266



42.0864, 0.4538, 0.3758



42.0864, 0.2036, 0.3171

Square

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



42.0864, 0.4538, 0.3758



42.0864, 0.3092, 0.4481



42.0864, 0.1890, 0.2580



42.0864, 0.3032, 0.2388

Rectangle

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



42.0864, 0.4538, 0.3758



42.0864, 0.3973, 0.4499



42.0864, 0.1890, 0.2580



42.0864, 0.2251, 0.2205

Sweetspot

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



42.0885, 0.4538, 0.3758



80.0984, 0.3431, 0.3430



33.7321, 0.3645, 0.2323



16.6891, 0.3473, 0.3447



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.



42.0885, 0.4538, 0.3758



39.7154, 0.4957, 0.3810



70.7937, 0.4078, 0.4429



17.3445, 0.3286, 0.3366



13.6194, 0.5916, 0.3685



1.3745, 0.5673, 0.3878

Inverse Universe

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



50.9233, 0.2296, 0.2723



50.1830, 0.2166, 0.2582



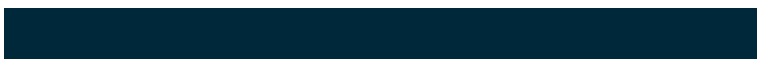
25.9146, 0.2094, 0.1783



17.8151, 0.2980, 0.3213



18.6849, 0.1948, 0.2214



1.8269, 0.1990, 0.2364

Previews

White Background



This preview shows how the Yxy color 42.0864, 0.4538, 0.3758 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 42.0864, 0.4538, 0.3758 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 42.0864, 0.4538, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 42.0864, 0.4538, 0.3758.



This preview shows how white text looks on a background with the Yxy color 42.0864, 0.4538, 0.3758.

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

42.0864, 0.4538, 0.3758

Protanopia

42.3287, 0.3776, 0.4075

Deuteranopia

42.1006, 0.4140, 0.4058



Tritanopia

42.0538, 0.4102, 0.3185

Trichromacy



Original Color

42.0864, 0.4538, 0.3758

Protanomaly

41.6354, 0.4048, 0.3949

Deuteranomaly

41.8291, 0.4288, 0.3942

Tritanomaly

41.9567, 0.4267, 0.3391

Monochromacy



Original Color

42.0864, 0.4538, 0.3758

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2223, 0.3602, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0864, 0.4538, 0.3758 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, 150, 106)` looks like.

```
.text, #text, p{  
    color:rgb(244, 150, 106)  
}
```

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, 150, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 150, 106) }
```

Border

The CSS property to change the border of an element to Yxy 42.0864, 0.4538, 0.3758 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, 150, 106) }
```

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

```
.border{ border-color:rgb(244, 150, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 150, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(244, 150,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0864, 0.4538, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 150, 106) }
```

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

```
.background{ background-color: rgb(244,  
150, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor