

# Converting Colors

$Y_{xy}(42.1606, 0.4523, 0.3668)$

Have a look what the booklet for  
Yxy(42.1606, 0.4523, 0.3668)  
contains.

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# Color

**Yxy(42.1238, 0.4522, 0.3672)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F79470
RGB	247, 148, 112
RGB Percent	97%, 58%, 44%
CMY	0.0313, 0.4196, 0.5609
CMYK	0.00, 0.40, 0.55, 0.03
HSL	16°, 89%, 70%
HSV	16°, 55%, 97%
XYZ	51.8747, 42.1238, 20.7178
YIQ	173.4970, 70.5600, 9.7920

# Conversions

## Conversions Part 2

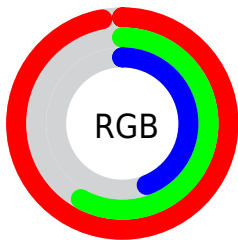
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 161, 112
Decimal	16225392
CIE <sub>Lab</sub>	70.96, 33.80, 34.89
CIE <sub>LCh</sub>	71, 48.577, 45.911
Yxy	42.1238, 0.4522, 0.3672
Android (android.graphics.Color)	4294415472 (0xFF79470)
YUV	173.4970, -30.3180, 64.4621
Hunter-Lab	64.9029, 29.0891, 26.5059

# Details

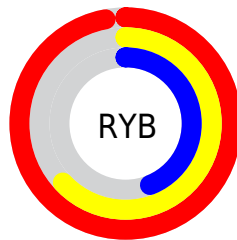
The Yxy color **42.1238, 0.4522, 0.3672** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.7409, 0.2338, 0.2837**, and the grayscale version is **42.1873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6522, 0.3844, 0.3697**, and **19.2894, 0.4924, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **36.4051, 0.4902, 0.3713**, and if you desaturate by 10%, it is **48.8867, 0.4174, 0.3611**.

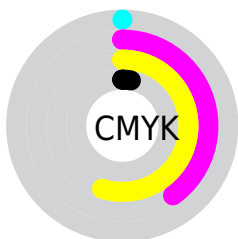
# Distribution



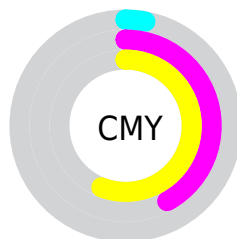
- Red (97%)
- Green (58%)
- Blue (44%)



- Red (97%)
- Yellow (63%)
- Blue (44%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (3%)




- Cyan (3%)
- Magenta (42%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1238, 0.4522, 0.3672 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 42.1238, 0.4522, 0.3672 by changing the saturation by 10% instead.





 42.1238, 0.4522,  
0.3672

 42.1238, 0.4522,  
0.3672

354.9959, 0.3813,  
0.3523


 29.1982, 0.4697,  
0.3693


 78.3870, 0.4265,  
0.3629


 19.2308, 0.4917,  
0.3711


 102.4933, 0.4168,  
0.3609

 11.8372, 0.5200,  
0.3716

 131.0955, 0.4086,  
0.3591

 6.6329, 0.5572,  
0.3688

 164.5777, 0.4016,  
0.3575

 3.2336, 0.6225,  
0.3677

203.3245, 0.3955,  
0.3560

 1.2549, 0.6715,  
0.3285

247.7202, 0.3902,

 0.1059, 0.8977,

0.3546

0.1023

298.1492, 0.3855,  
0.3534

0.0000, 0.0000,  
0.0000

42.1238, 0.4522,  
0.3672

42.1238, 0.4522,  
0.3672

36.4051, 0.4902,  
0.3713

48.8867, 0.4174,  
0.3611

31.6702, 0.5292,  
0.3723

56.7370, 0.3868,  
0.3539

27.8620, 0.5654,  
0.3691


65.7234, 0.3607,  
0.3464

24.9140, 0.5946,  
0.3614

75.8895, 0.3387,  
0.3391

23.6614, 0.6069,  
0.3563

87.2766, 0.3202,  
0.3321

 98.5166, 0.3078,  
0.3290

# Harmonies

## Analogous

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



42.1238, 0.4257, 0.3149



42.1238, 0.4522, 0.3672



42.1238, 0.4357, 0.4176

# Triad

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



42.1238, 0.4522, 0.3672



42.1238, 0.2555, 0.4022



42.1238, 0.2339, 0.2216

# Complementary

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



42.1238, 0.4522, 0.3672



56.7409, 0.2338, 0.2837

# 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.



42.1238, 0.1991, 0.2307



42.1238, 0.4522, 0.3672



42.1238, 0.2095, 0.3286

# Square

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



42.1238, 0.4522, 0.3672



42.1238, 0.3201, 0.4515



42.1238, 0.1906, 0.2663



42.1238, 0.2924, 0.2356



# Rectangle

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



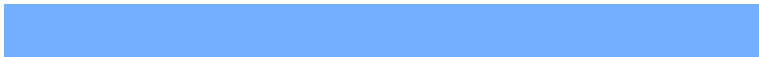
42.1238, 0.4522, 0.3672



42.1238, 0.4054, 0.4441



42.1238, 0.1906, 0.2663



42.1238, 0.2195, 0.2219

# Sweetspot

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



42.1260, 0.4522, 0.3672



80.0217, 0.3414, 0.3400



36.0624, 0.3547, 0.2288



16.6307, 0.3458, 0.3415



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.



42.1260, 0.4522, 0.3672



38.3377, 0.4959, 0.3717



69.8039, 0.4085, 0.4340



17.2015, 0.3287, 0.3354



12.7104, 0.6041, 0.3586



1.2794, 0.5798, 0.3779



# Inverse Universe

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



56.7409, 0.2338, 0.2837



55.3740, 0.2214, 0.2723



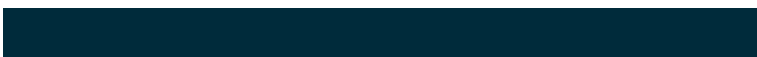
29.9495, 0.2148, 0.1928



17.9660, 0.2980, 0.3225



21.2974, 0.2000, 0.2399



2.0401, 0.2035, 0.2524



# Previews

## White Background



This preview shows how the Yxy color 42.1238, 0.4522, 0.3672 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 42.1238, 0.4522, 0.3672 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 42.1238, 0.4522, 0.3672**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1238, 0.4522, 0.3672.



This preview shows how white text looks on a background with the Yxy color 42.1238, 0.4522, 0.3672.

# 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

42.1238, 0.4522, 0.3672

### Protanopia

42.3935, 0.3698, 0.3974

### Deuteranopia

42.0568, 0.4087, 0.4005



## Tritanopia

42.2688, 0.4146, 0.3186

# Trichromacy



**Original Color**

42.1238, 0.4522, 0.3672

**Protanomaly**

41.7975, 0.3984, 0.3866

**Deuteranomaly**

41.5884, 0.4250, 0.3877

**Tritanomaly**

42.2255, 0.4290, 0.3368

# Monochromacy



**Original Color**

42.1238, 0.4522, 0.3672

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

41.0646, 0.3596, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1238, 0.4522, 0.3672 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(247, 148, 112)` looks like.

```
.text, #text, p{  
    color:rgb(247, 148, 112)  
}
```

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(247, 148, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 148, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1238, 0.4522, 0.3672 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(247, 148, 112) }
```

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

```
.border{ border-color:rgb(247, 148, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 148, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 148, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 148, 112);  
box-shadow:4px 4px 4px 4px rgb(247, 148,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1238, 0.4522, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 148, 112) }
```

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

```
.background{ background-color: rgb(247,  
148, 112) }
```

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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