

Converting Colors

$Y_{xy}(42.5812, 0.4411, 0.3615)$

Have a look what the booklet for
Yxy(42.5812, 0.4411, 0.3615)
contains.

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Color

Yxy(42.5812, 0.4411, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	F59678
RGB	245, 150, 120
RGB Percent	96%, 59%, 47%
CMY	0.0392, 0.4118, 0.5294
CMYK	0.00, 0.39, 0.51, 0.04
HSL	14°, 86%, 72%
HSV	14°, 51%, 96%
XYZ	51.9573, 42.5812, 23.2518
YIQ	174.9850, 66.2500, 10.8100

Conversions

Conversions Part 2

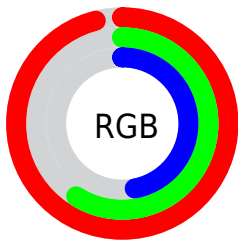
Format	Color
R_{YB}	245, 159, 120
Decimal	16094840
CIE _{Lab}	71.27, 32.66, 30.92
CIE _{LCh}	71, 44.978, 43.430
Yxy	42.5812, 0.4411, 0.3615
Android (android.graphics.Color)	4294284920 (0xFFFF59678)
YUV	174.9850, -27.1076, 61.4032
Hunter-Lab	65.2543, 27.9318, 24.5514

Details

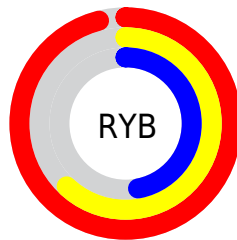
The Yxy color **42.5812, 0.4411, 0.3615** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.2018, 0.2391, 0.2916**, and the grayscale version is **42.9801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9398, 0.3766, 0.3624**, and **19.5046, 0.4778, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **36.5839, 0.4792, 0.3659**, and if you desaturate by 10%, it is **49.6796, 0.4069, 0.3556**.

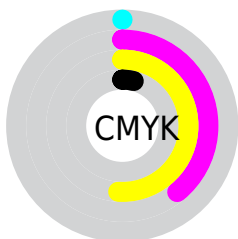
Distribution



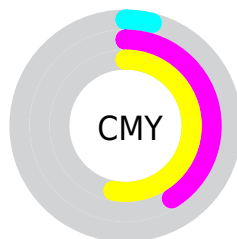
- Red (96%)
- Green (59%)
- Blue (47%)



- Red (96%)
- Yellow (62%)
- Blue (47%)



- Cyan (0%)
- Magenta (39%)
- Yellow (51%)
- Black (4%)




- Cyan (4%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5812, 0.4411, 0.3615 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 42.5812, 0.4411, 0.3615 by changing the saturation by 10% instead.


 42.5812, 0.4411,
0.3615


 42.5812, 0.4411,
0.3615


356.8866, 0.3757,
0.3486


 29.5567, 0.4574,
0.3634


 79.0785, 0.4173,
0.3577

 19.5023, 0.4780,
0.3651


 103.3200, 0.4083,
0.3560

 12.0338, 0.5050,
0.3659


 132.0694, 0.4008,
0.3545

 6.7667, 0.5409,
0.3643

165.7109, 0.3943,
0.3531

 3.3166, 0.5963,
0.3601

204.6290, 0.3887,
0.3518

 1.2992, 0.6648,
0.3352

249.2080, 0.3838,

 0.1406, 0.8692,

0.3507

0.1308

299.8324, 0.3795,
0.3496

0.0000, 0.0000,
0.0000

42.5812, 0.4411,
0.3615

42.5812, 0.4411,
0.3615

36.5839, 0.4792,
0.3659

49.6796, 0.4069,
0.3556

31.6248, 0.5194,
0.3677

57.9248, 0.3774,
0.3490

27.6444, 0.5581,
0.3658


67.3677, 0.3525,
0.3422

24.5739, 0.5908,
0.3598

78.0542, 0.3316,
0.3357

22.5207, 0.6126,
0.3518

90.0277, 0.3143,
0.3296

 98.1554, 0.3066,
0.3290

Harmonies

Analogous

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



42.5812, 0.4132, 0.3125



42.5812, 0.4411, 0.3615



42.5812, 0.4296, 0.4087

Triad

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



42.5812, 0.4411, 0.3615



42.5812, 0.2646, 0.4011



42.5812, 0.2359, 0.2287

Complementary

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



42.5812, 0.4411, 0.3615



59.2018, 0.2391, 0.2916

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.



42.5812, 0.2052, 0.2395



42.5812, 0.4411, 0.3615



42.5812, 0.2195, 0.3347

Square

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



42.5812, 0.4411, 0.3615



42.5812, 0.3255, 0.4430



42.5812, 0.1993, 0.2754



42.5812, 0.2890, 0.2399

Rectangle

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



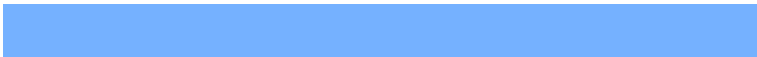
42.5812, 0.4411, 0.3615



42.5812, 0.4033, 0.4336



42.5812, 0.1993, 0.2754



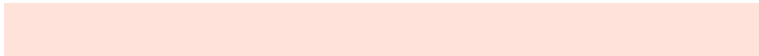
42.5812, 0.2230, 0.2297

Sweetspot

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



42.5834, 0.4411, 0.3615



80.6093, 0.3395, 0.3383



37.8002, 0.3467, 0.2309



16.7251, 0.3439, 0.3397



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.



42.5834, 0.4411, 0.3615



39.9944, 0.4797, 0.3659



67.6991, 0.4041, 0.4240



17.1279, 0.3288, 0.3347



12.3086, 0.6099, 0.3539



1.2351, 0.5860, 0.3729

Inverse Universe

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



59.2018, 0.2391, 0.2916



59.8771, 0.2278, 0.2828



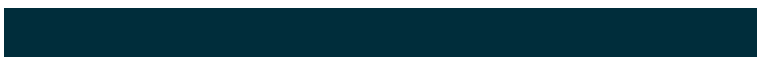
33.4822, 0.2228, 0.2091



18.0446, 0.2980, 0.3232



22.7470, 0.2026, 0.2495



2.1570, 0.2057, 0.2606

Previews

White Background



This preview shows how the Yxy color 42.5812, 0.4411, 0.3615 looks on a white background.

Color Contrast Check

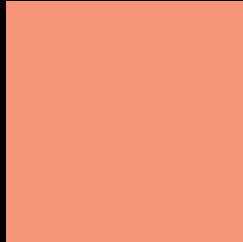
Large Text (above 18pt) WCAG AA × Fail

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 42.5812, 0.4411, 0.3615 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 42.5812, 0.4411, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 42.5812, 0.4411, 0.3615.



This preview shows how white text looks on a background with the Yxy color 42.5812, 0.4411, 0.3615.

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

42.5812, 0.4411, 0.3615

Protanopia

42.8634, 0.3615, 0.3882

Deuteranopia

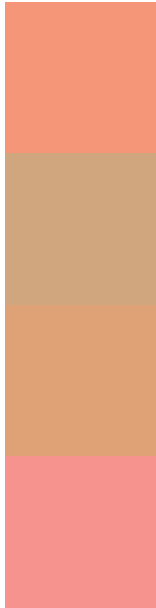
42.6234, 0.4001, 0.3911



Tritanopia

42.6076, 0.4085, 0.3174

Trichromacy



Original Color

42.5812, 0.4411, 0.3615

Protanomaly

42.2146, 0.3895, 0.3782

Deuteranomaly

42.4857, 0.4154, 0.3799

Tritanomaly

42.6248, 0.4207, 0.3336

Monochromacy



Original Color

42.5812, 0.4411, 0.3615

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.9184, 0.3552, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5812, 0.4411, 0.3615 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(245, 150, 120)` looks like.

```
.text, #text, p{  
    color:rgb(245, 150, 120)  
}
```

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(245, 150, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 150, 120) }
```

Border

The CSS property to change the border of an element to Yxy 42.5812, 0.4411, 0.3615 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(245, 150, 120) }
```

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

```
.border{ border-color:rgb(245, 150, 120) }
```

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

Here you see how a box with a 4 pixel rgb(245, 150, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 150, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 150, 120);  
box-shadow:4px 4px 4px 4px rgb(245, 150,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5812, 0.4411, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 150, 120) }
```

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

```
.background{ background-color: rgb(245,  
150, 120) }
```

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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