

Converting Colors

$Y_{xy}(47.1385, 0.3926, 0.3212)$

Have a look what the booklet for
Yxy(47.1385, 0.3926, 0.3212)
contains.

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Color

Yxy(46.9811, 0.3921, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	F79EA6
RGB	247, 158, 166
RGB Percent	97%, 62%, 65%
CMY	0.0313, 0.3804, 0.3489
CMYK	0.00, 0.36, 0.33, 0.03
HSL	355°, 85%, 79%
HSV	355°, 36%, 97%
XYZ	57.4767, 46.9811, 42.1291
YIQ	185.5230, 50.4760, 21.3560

Conversions

Conversions Part 2

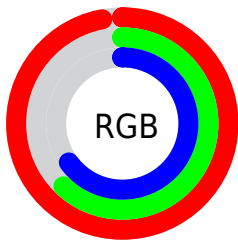
Format	Color
R_{YB}	247, 158, 166
Decimal	16228006
CIE _{Lab}	74.18, 34.12, 9.74
CIE _{LCh}	74, 35.485, 15.933
Yxy	46.9811, 0.3921, 0.3205
Android (android.graphics.Color)	4294418086 (0xFFFF79EA6)
YUV	185.5230, -9.6248, 53.9153
Hunter-Lab	68.5428, 29.7318, 11.5380

Details

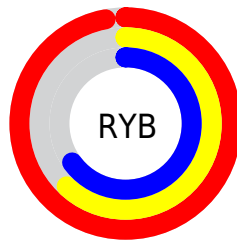
The Yxy color **46.9811, 0.3921, 0.3205** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.0372, 0.2659, 0.3380**, and the grayscale version is **48.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0690, 0.3384, 0.3210**, and **22.0094, 0.4149, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **38.6328, 0.4268, 0.3183**, and if you desaturate by 10%, it is **57.1716, 0.3636, 0.3229**.

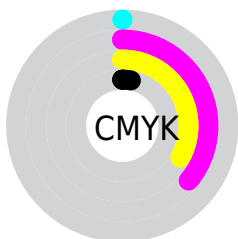
Distribution



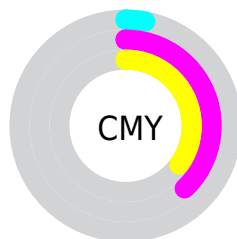
- Red (97%)
- Green (62%)
- Blue (65%)



- Red (97%)
- Yellow (62%)
- Blue (65%)



- Cyan (0%)
- Magenta (36%)
- Yellow (33%)
- Black (3%)





- Cyan (3%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9811, 0.3921, 0.3205 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 46.9811, 0.3921, 0.3205 by changing the saturation by 10% instead.


 46.9811, 0.3921,
0.3205


 46.9811, 0.3921,
0.3205


374.7391, 0.3521,
0.3256

 33.0207, 0.4021,
0.3190


 85.6854, 0.3775,
0.3226

 22.1423, 0.4150,
0.3168


 111.1981, 0.3721,
0.3233

 13.9615, 0.4321,
0.3138


141.3304, 0.3675,
0.3239

 8.0939, 0.4558,
0.3090

176.4666, 0.3635,
0.3243

 4.1551, 0.4908,
0.3011

216.9912, 0.3601,
0.3247

 1.7607, 0.5468,
0.2860

263.2886, 0.3571,

 0.4625, 0.7449,

0.3251

0.2551

315.7431, 0.3545,
0.3254

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9811, 0.3921,
0.3205

46.9811, 0.3921,
0.3205

38.6328, 0.4268,
0.3183

57.1716, 0.3636,
0.3229

32.0103, 0.4675,
0.3167

69.2980, 0.3405,
0.3254

26.9948, 0.5126,
0.3162

83.4558, 0.3221,
0.3277

23.4491, 0.5581,
0.3172

98.5191, 0.3078,
0.3290

■ 21.2138, 0.5976,
0.3201

■ 20.0912, 0.6250,
0.3243

■ 19.8382, 0.6321,
0.3256

Harmonies

Analogous

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



46.9811, 0.3497, 0.2852



46.9811, 0.3921, 0.3205



46.9811, 0.4113, 0.3598

Triad

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



46.9811, 0.3921, 0.3205



46.9811, 0.3199, 0.4126



46.9811, 0.2295, 0.2582

Complementary

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



46.9811, 0.3921, 0.3205



80.0372, 0.2659, 0.3380

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.



46.9811, 0.2232, 0.2859



46.9811, 0.3921, 0.3205



46.9811, 0.2729, 0.3792

Square

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



46.9811, 0.3921, 0.3205



46.9811, 0.3672, 0.4169



46.9811, 0.2383, 0.3302



46.9811, 0.2560, 0.2501

Rectangle

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



46.9811, 0.3921, 0.3205



46.9811, 0.4078, 0.3845



46.9811, 0.2383, 0.3302



46.9811, 0.2250, 0.2653

Sweetspot

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



46.9834, 0.3921, 0.3205



81.8550, 0.3307, 0.3265



49.3656, 0.3095, 0.2375



17.0823, 0.3333, 0.3262



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.



46.9834, 0.3921, 0.3205



43.9930, 0.4158, 0.3189



60.6550, 0.3861, 0.3674



16.5068, 0.3279, 0.3269



10.4978, 0.6300, 0.3244



0.9308, 0.6083, 0.3124

Inverse Universe

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



46.9834, 0.3921, 0.3205



43.9930, 0.4158, 0.3189



60.7785, 0.2561, 0.2868



16.5068, 0.3279, 0.3269



10.4978, 0.6300, 0.3244



0.9308, 0.6083, 0.3124

Previews

White Background



This preview shows how the Yxy color 46.9811, 0.3921, 0.3205 looks on a white background.

Color Contrast Check

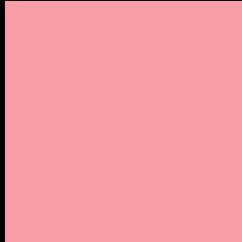
Large Text (above 18pt) WCAG AA × Fail

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 46.9811, 0.3921, 0.3205 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 46.9811, 0.3921, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 46.9811, 0.3921, 0.3205.



This preview shows how white text looks on a background with the Yxy color 46.9811, 0.3921, 0.3205.

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

46.9811, 0.3921, 0.3205

Protanopia

47.2754, 0.3194, 0.3329

Deuteranopia

47.1049, 0.3528, 0.3452



Tritanopia

46.7527, 0.3894, 0.3162

Trichromacy



Original Color

46.9811, 0.3921, 0.3205

Protanomaly

46.4984, 0.3446, 0.3279

Deuteranomaly

46.5859, 0.3669, 0.3351

Tritanomaly

46.7153, 0.3904, 0.3173

Monochromacy



Original Color

46.9811, 0.3921, 0.3205

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.7152, 0.3388, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9811, 0.3921, 0.3205 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, 158, 166)` looks like.

```
.text, #text, p{  
    color:rgb(247, 158, 166)  
}
```

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, 158, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 158, 166) }
```

Border

The CSS property to change the border of an element to Yxy 46.9811, 0.3921, 0.3205 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, 158, 166) }
```

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

```
.border{ border-color:rgb(247, 158, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 158, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 158, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 158, 166); box-shadow:4px 4px 4px 4px rgb(247, 158, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9811, 0.3921, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 158, 166) }
```

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

```
.background{ background-color: rgb(247,  
158, 166) }
```

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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