

Converting Colors

$Yxy(46.9381, 0.3828, 0.3179)$

Have a look what the booklet for
Yxy(46.9381, 0.3828, 0.3179)
contains.

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Color

Yxy(46.9211, 0.3827, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	F2A0AA
RGB	242, 160, 170
RGB Percent	95%, 63%, 67%
CMY	0.0512, 0.3724, 0.3334
CMYK	0.00, 0.34, 0.30, 0.05
HSL	353°, 76%, 79%
HSV	353°, 34%, 95%
XYZ	56.4321, 46.9211, 44.1047
YIQ	185.6580, 45.6620, 20.4940

Conversions

Conversions Part 2

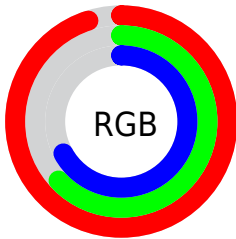
Format	Color
R _Y B	242, 160, 170
Decimal	15900842
CIE _{Lab}	74.14, 31.71, 7.43
CIE _{LCh}	74, 32.570, 13.190
Y _{xy}	46.9211, 0.3827, 0.3182
Android (android.graphics.Color)	4294090922 (0xFFFF2A0AA)
YUV	185.6580, -7.7194, 49.4119
Hunter-Lab	68.4990, 27.1821, 9.7740

Details

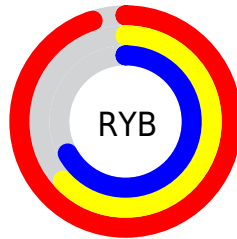
The Yxy color **46.9211, 0.3827, 0.3182** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.7815, 0.2696, 0.3404**, and the grayscale version is **48.9274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2971, 0.3353, 0.3190**, and **22.0137, 0.4030, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **38.5926, 0.4147, 0.3151**, and if you desaturate by 10%, it is **57.0166, 0.3565, 0.3215**.

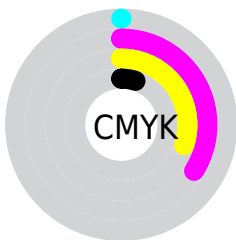
Distribution



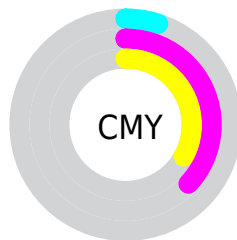
- Red (95%)
- Green (63%)
- Blue (67%)



- Red (95%)
- Yellow (63%)
- Blue (67%)



- Cyan (0%)
- Magenta (34%)
- Yellow (30%)
- Black (5%)





- Cyan (5%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9211, 0.3827, 0.3182 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 46.9211, 0.3827, 0.3182 by changing the saturation by 10% instead.


 46.9211, 0.3827,
0.3182


 46.9211, 0.3827,
0.3182

374.4995, 0.3475,
0.3242

 32.9733, 0.3915,
0.3165


 85.5958, 0.3699,
0.3205

 22.1060, 0.4029,
0.3142


 111.0916, 0.3651,
0.3214

 13.9348, 0.4180,
0.3111


141.2054, 0.3610,
0.3220

 8.0753, 0.4390,
0.3063

176.3216, 0.3575,
0.3226

 4.1432, 0.4702,
0.2986

216.8248, 0.3545,
0.3231

 1.7540, 0.5206,
0.2845

263.0992, 0.3519,

 0.4582, 0.7342,

0.3235

0.2658

315.5293, 0.3495,
0.3239

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9211, 0.3827,
0.3182

46.9211, 0.3827,
0.3182

38.5926, 0.4147,
0.3151

57.0166, 0.3565,
0.3215

31.9231, 0.4526,
0.3126

68.9657, 0.3353,
0.3248

26.8031, 0.4956,
0.3114

82.8571, 0.3183,
0.3279

23.1073, 0.5404,
0.3119

97.6096, 0.3047,
0.3290

■ 20.6909, 0.5819,
0.3148

■ 19.3776, 0.6139,
0.3198

■ 18.9603, 0.6275,
0.3230

Harmonies

Analogous

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



46.9211, 0.3426, 0.2859



46.9211, 0.3827, 0.3182



46.9211, 0.4027, 0.3546

Triad

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



46.9211, 0.3827, 0.3182



46.9211, 0.3238, 0.4068



46.9211, 0.2344, 0.2654

Complementary

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



46.9211, 0.3827, 0.3182



76.7815, 0.2696, 0.3404

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.



46.9211, 0.2304, 0.2929



46.9211, 0.3827, 0.3182



46.9211, 0.2799, 0.3785

Square

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



46.9211, 0.3827, 0.3182



46.9211, 0.3667, 0.4088



46.9211, 0.2463, 0.3346



46.9211, 0.2575, 0.2560

Rectangle

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



46.9211, 0.3827, 0.3182



46.9211, 0.4013, 0.3777



46.9211, 0.2463, 0.3346



46.9211, 0.2308, 0.2726

Sweetspot

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



46.9233, 0.3827, 0.3182



83.4360, 0.3284, 0.3260



48.5547, 0.3075, 0.2425



17.3993, 0.3309, 0.3255



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.



46.9233, 0.3827, 0.3182



45.8665, 0.4053, 0.3159



58.2659, 0.3814, 0.3621



15.7901, 0.3274, 0.3262



10.2001, 0.6249, 0.3216



0.8586, 0.5966, 0.3060

Inverse Universe

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



46.9233, 0.3827, 0.3182



45.8665, 0.4053, 0.3159



60.9303, 0.2600, 0.2931



15.7901, 0.3274, 0.3262



10.2001, 0.6249, 0.3216



0.8586, 0.5966, 0.3060

Previews

White Background



This preview shows how the Yxy color 46.9211, 0.3827, 0.3182 looks on a white background.

Color Contrast Check

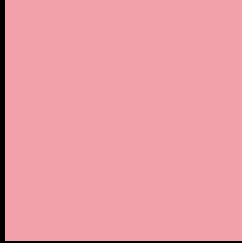
Large Text (above 18pt) WCAG AA × Fail

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 46.9211, 0.3827, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

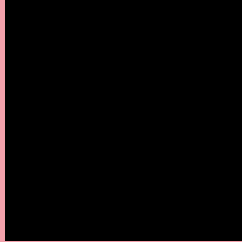
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9211, 0.3827, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 46.9211, 0.3827, 0.3182.



This preview shows how white text looks on a background with the Yxy color 46.9211, 0.3827, 0.3182.

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

46.9211, 0.3827, 0.3182

Protanopia

47.2724, 0.3161, 0.3290

Deuteranopia

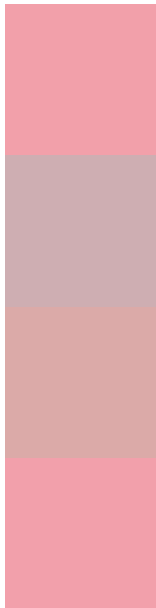
46.9625, 0.3475, 0.3403



Tritanopia

46.9974, 0.3807, 0.3160

Trichromacy



Original Color

46.9211, 0.3827, 0.3182

Protanomaly

46.6083, 0.3382, 0.3241

Deuteranomaly

46.6367, 0.3601, 0.3315

Tritanomaly

46.9591, 0.3817, 0.3171

Monochromacy



Original Color

46.9211, 0.3827, 0.3182

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8614, 0.3359, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9211, 0.3827, 0.3182 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(242, 160, 170)` looks like.

```
.text, #text, p{  
    color:rgb(242, 160, 170)  
}
```

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(242, 160, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 160, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.9211, 0.3827, 0.3182 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(242, 160, 170) }
```

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

```
.border{ border-color:rgb(242, 160, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 160, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 160, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 160, 170);  
box-shadow:4px 4px 4px 4px rgb(242, 160,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9211, 0.3827, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 160, 170) }
```

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

```
.background{ background-color: rgb(242,  
160, 170) }
```

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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