

Converting Colors

$Y_{xy}(48.3622, 0.4001, 0.3168)$

Have a look what the booklet for
Yxy(48.3622, 0.4001, 0.3168)
contains.

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Color

Yxy(47.8641, 0.3982, 0.3166)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9CA8 |
| RGB | 255, 156, 168 |
| RGB Percent | 100%, 61%, 66% |
| CMY | 0.0000, 0.3882, 0.3411 |
| CMYK | 0.00, 0.39, 0.34, 0.00 |
| HSL | 353°, 100%, 81% |
| HSV | 353°, 39%, 100% |
| XYZ | 60.2005, 47.8641, 43.1170 |
| YIQ | 186.9690, 55.1520, 24.7200 |

Conversions

Conversions Part 2

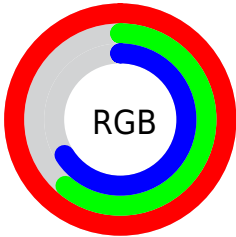
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 255, 156, 168 |
| Decimal | 16751784 |
| CIE _{Lab} | 74.74, 38.28, 9.58 |
| CIE _{LCh} | 75, 39.459, 14.050 |
| Yxy | 47.8641, 0.3982, 0.3166 |
| Android (android.graphics.Color) | 4294941864 (0xFFFF9CA8) |
| YUV | 186.9690, -9.3517, 59.6632 |
| Hunter-Lab | 69.1839, 34.2504, 11.4778 |

Details

The Yxy color **47.8641, 0.3982, 0.3166** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.0580, 0.2642, 0.3424**, and the grayscale version is **49.7055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6747, 0.3371, 0.3180**, and **22.6972, 0.4229, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **39.4214, 0.4334, 0.3138**, and if you desaturate by 10%, it is **58.2469, 0.3690, 0.3198**.

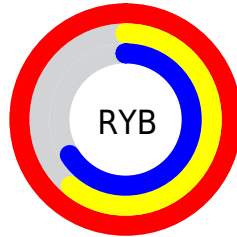
Distribution



Red (100%)

Green (61%)

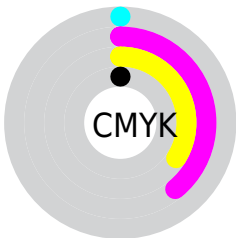
Blue (66%)



Red (100%)

Yellow (61%)

Blue (66%)

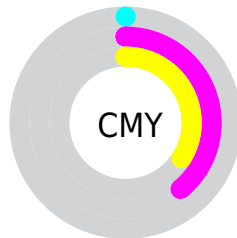


Cyan (0%)

Magenta (39%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8641, 0.3982, 0.3166 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 47.8641, 0.3982, 0.3166 by changing the saturation by 10% instead.


 47.8641, 0.3982,
0.3166


 47.8641, 0.3982,
0.3166


378.2532, 0.3553,
0.3237

 33.7193, 0.4089,
0.3146


 87.0020, 0.3826,
0.3194

 22.6780, 0.4226,
0.3118


 112.7639, 0.3768,
0.3204

 14.3559, 0.4407,
0.3079

143.1670, 0.3718,
0.3212

 8.3686, 0.4657,
0.3020

178.5956, 0.3676,
0.3219

 4.3317, 0.5023,
0.2925

219.4341, 0.3639,
0.3224

 1.8608, 0.5601,
0.2752

266.0669, 0.3607,

 0.5247, 0.7510,

0.3229

0.2490

318.8785, 0.3578,
0.3234

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.8641, 0.3982,
0.3166

47.8641, 0.3982,
0.3166

39.4214, 0.4334,
0.3138

58.2469, 0.3690,
0.3198

32.7980, 0.4742,
0.3118

70.6802, 0.3454,
0.3232

27.8598, 0.5188,
0.3114

85.2658, 0.3264,
0.3264

24.4539, 0.5628,
0.3132

100.0000, 0.3127,
0.3290

■ 22.3997, 0.6002,
0.3172

■ 21.4382, 0.6256,
0.3228

■ 21.3586, 0.6279,
0.3233

Harmonies

Analogous

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



47.8641, 0.3499, 0.2789



47.8641, 0.3982, 0.3166



47.8641, 0.4213, 0.3593

Triad

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



47.8641, 0.3982, 0.3166



47.8641, 0.3236, 0.4234



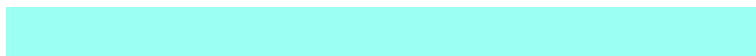
47.8641, 0.2205, 0.2524

Complementary

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



47.8641, 0.3982, 0.3166



85.0580, 0.2642, 0.3424

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.



47.8641, 0.2151, 0.2836



47.8641, 0.3982, 0.3166



47.8641, 0.2715, 0.3880

Square

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



47.8641, 0.3982, 0.3166



47.8641, 0.3752, 0.4253



47.8641, 0.2327, 0.3334



47.8641, 0.2480, 0.2426

Rectangle

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



47.8641, 0.3982, 0.3166



47.8641, 0.4185, 0.3868



47.8641, 0.2327, 0.3334



47.8641, 0.2161, 0.2604

Sweetspot

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



47.8641, 0.3982, 0.3166



80.3943, 0.3320, 0.3254



49.8383, 0.3063, 0.2296



16.7928, 0.3344, 0.3249



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.



47.8641, 0.3982, 0.3166



40.8220, 0.4265, 0.3142



61.4911, 0.3950, 0.3672



18.0229, 0.3275, 0.3261



11.1715, 0.6253, 0.3218



1.0986, 0.6012, 0.3085

Inverse Universe

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



47.8641, 0.3982, 0.3166



40.8220, 0.4265, 0.3142



64.7942, 0.2524, 0.2868



18.0229, 0.3275, 0.3261



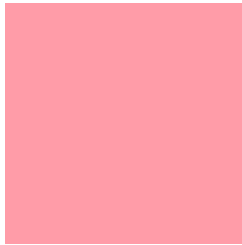
11.1715, 0.6253, 0.3218



1.0986, 0.6012, 0.3085

Previews

White Background



This preview shows how the Yxy color 47.8641, 0.3982, 0.3166 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 47.8641, 0.3982, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

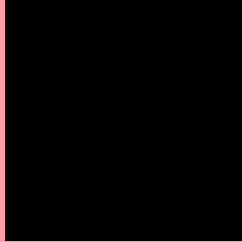
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8641, 0.3982, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 47.8641, 0.3982, 0.3166.



This preview shows how white text looks on a background with the Yxy color 47.8641, 0.3982, 0.3166.

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

47.8641, 0.3982, 0.3166

Protanopia

47.9772, 0.3170, 0.3290

Deuteranopia

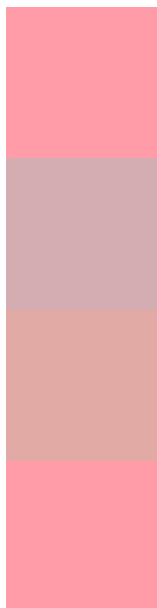
48.0764, 0.3524, 0.3463



Tritanopia

47.8641, 0.3982, 0.3166

Trichromacy



Original Color

47.8641, 0.3982, 0.3166

Protanomaly

47.0985, 0.3438, 0.3230

Deuteranomaly

47.6348, 0.3694, 0.3350

Tritanomaly

47.8641, 0.3982, 0.3166

Monochromacy



Original Color

47.8641, 0.3982, 0.3166

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.3430, 0.3415, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8641, 0.3982, 0.3166 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(255, 156, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 168)  
}
```

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(255, 156, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 168) }
```

Border

The CSS property to change the border of an element to Yxy 47.8641, 0.3982, 0.3166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

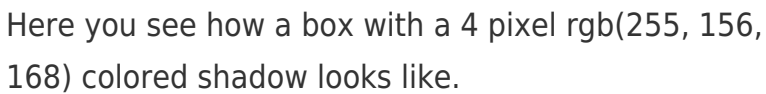
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 156, 168) }
```

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

```
.border{ border-color:rgb(255, 156, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 156, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 156, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 156, 168); box-shadow:4px 4px 4px 4px rgb(255, 156, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8641, 0.3982, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 168) }
```

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

```
.background{ background-color: rgb(255,  
156, 168) }
```

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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