

Converting Colors

$Y_{xy}(48.8920, 0.3891, 0.3101)$

Have a look what the booklet for
Yxy(48.8920, 0.3891, 0.3101)
contains.

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Color

Yxy(48.8483, 0.3894, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EB0
RGB	255, 158, 176
RGB Percent	100%, 62%, 69%
CMY	0.0000, 0.3803, 0.3098
CMYK	0.00, 0.38, 0.31, 0.00
HSL	349°, 100%, 81%
HSV	349°, 38%, 100%
XYZ	61.3004, 48.8483, 47.2741
YIQ	189.0550, 52.0340, 26.1620

Conversions

Conversions Part 2

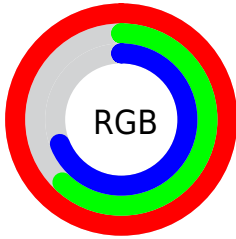
Format	Color
R _Y B	255, 158, 176
Decimal	16752304
CIE Lab	75.36, 38.22, 6.07
CIE LCh	75, 38.694, 9.023
Yxy	48.8483, 0.3894, 0.3103
Android (android.graphics.Color)	4294942384 (0xFFFF9EB0)
YUV	189.0550, -6.4361, 57.8338
Hunter-Lab	69.8916, 34.2484, 8.8208

Details

The Yxy color **48.8483, 0.3894, 0.3103** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.8973, 0.2680, 0.3492**, and the grayscale version is **50.9390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1793, 0.3304, 0.3111**, and **23.2941, 0.4103, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **40.2746, 0.4213, 0.3057**, and if you desaturate by 10%, it is **59.3570, 0.3630, 0.3153**.

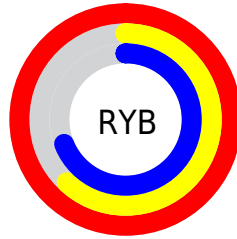
Distribution



Red (100%)

Green (62%)

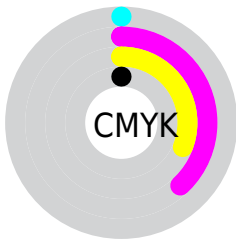
Blue (69%)



Red (100%)

Yellow (62%)

Blue (69%)

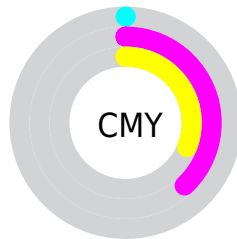


Cyan (0%)

Magenta (38%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8483, 0.3894, 0.3103 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 48.8483, 0.3894, 0.3103 by changing the saturation by 10% instead.

 48.8483, 0.3894,
0.3103


 48.8483, 0.3894,
0.3103

382.1448, 0.3511,
0.3202

 34.4992, 0.3989,
0.3077


 88.4661, 0.3755,
0.3140

 23.2773, 0.4110,
0.3043


 114.5036, 0.3703,
0.3153

 14.7984, 0.4270,
0.2997


145.2059, 0.3659,
0.3165

 8.6780, 0.4491,
0.2930

180.9575, 0.3621,
0.3174

 4.5318, 0.4814,
0.2828

222.1428, 0.3588,
0.3183

 1.9753, 0.5324,
0.2654

269.1462, 0.3559,

 0.5930, 0.6736,

0.3190

0.2376

322.3521, 0.3534,
0.3196

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8483, 0.3894,
0.3103

48.8483, 0.3894,
0.3103

40.2746, 0.4213,
0.3057

59.3570, 0.3630,
0.3153

33.5107, 0.4585,
0.3023

71.9018, 0.3415,
0.3204

28.4278, 0.4999,
0.3008

86.5851, 0.3242,
0.3253

24.8770, 0.5423,
0.3023

99.9978, 0.3127,
0.3290

■ 22.6829, 0.5808,
0.3072

■ 21.6093, 0.6103,
0.3148

■ 21.4656, 0.6151,
0.3162

Harmonies

Analogous

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



48.8483, 0.3399, 0.2748



48.8483, 0.3894, 0.3103



48.8483, 0.4169, 0.3518

Triad

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



48.8483, 0.3894, 0.3103



48.8483, 0.3323, 0.4234



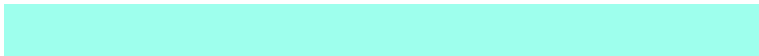
48.8483, 0.2202, 0.2579

Complementary

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



48.8483, 0.3894, 0.3103



84.8973, 0.2680, 0.3492

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.



48.8483, 0.2187, 0.2920



48.8483, 0.3894, 0.3103



48.8483, 0.2806, 0.3940

Square

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



48.8483, 0.3894, 0.3103



48.8483, 0.3811, 0.4201



48.8483, 0.2397, 0.3425



48.8483, 0.2436, 0.2448

Rectangle

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



48.8483, 0.3894, 0.3103



48.8483, 0.4178, 0.3791



48.8483, 0.2397, 0.3425



48.8483, 0.2172, 0.2670

Sweetspot

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



48.8507, 0.3894, 0.3103



82.0058, 0.3289, 0.3239



49.4407, 0.3012, 0.2301



17.1179, 0.3312, 0.3232



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.



48.8507, 0.3894, 0.3103



41.8703, 0.4143, 0.3066



59.3123, 0.3954, 0.3597



18.0421, 0.3265, 0.3246



11.2330, 0.6117, 0.3143



1.1078, 0.5826, 0.2983

Inverse Universe

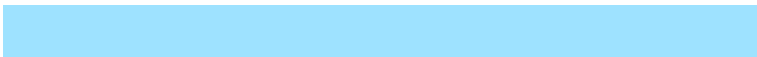
The Inverse Universe completely reimagines the original color for something new.



48.8507, 0.3894, 0.3103



41.8703, 0.4143, 0.3066



68.8257, 0.2547, 0.2955



18.0421, 0.3265, 0.3246



11.2330, 0.6117, 0.3143



1.1078, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 48.8483, 0.3894, 0.3103 looks on a white background.

Color Contrast Check

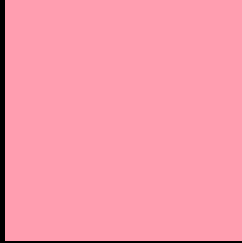
Large Text (above 18pt) WCAG AA × Fail

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 48.8483, 0.3894, 0.3103 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 48.8483, 0.3894, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 48.8483, 0.3894, 0.3103.



This preview shows how white text looks on a background with the Yxy color 48.8483, 0.3894, 0.3103.

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

48.8483, 0.3894, 0.3103

Protanopia

49.1509, 0.3106, 0.3214

Deuteranopia

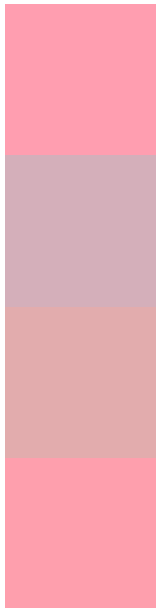
49.1764, 0.3450, 0.3389



Tritanopia

48.8074, 0.3932, 0.3166

Trichromacy



Original Color

48.8483, 0.3894, 0.3103

Protanomaly

48.2022, 0.3365, 0.3159

Deuteranomaly

48.6909, 0.3615, 0.3280

Tritanomaly

48.8842, 0.3912, 0.3144

Monochromacy



Original Color

48.8483, 0.3894, 0.3103

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.4476, 0.3386, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8483, 0.3894, 0.3103 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, 158, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 176)  
}
```

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, 158, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.8483, 0.3894, 0.3103 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, 158, 176) }
```

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

```
.border{ border-color:rgb(255, 158, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8483, 0.3894, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 176) }
```

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

```
.background{ background-color: rgb(255,  
158, 176) }
```

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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