

Converting Colors

$Y_{xy}(49.1088, 0.3948, 0.3179)$

Have a look what the booklet for
Yxy(49.1088, 0.3948, 0.3179)
contains.

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Color

Yxy(48.9586, 0.3951, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FAA
RGB	255, 159, 170
RGB Percent	100%, 62%, 67%
CMY	0.0001, 0.3764, 0.3334
CMYK	0.00, 0.38, 0.33, 0.00
HSL	353°, 100%, 81%
HSV	353°, 38%, 100%
XYZ	60.8862, 48.9586, 44.2585
YIQ	188.9580, 53.6850, 23.7730

Conversions

Conversions Part 2

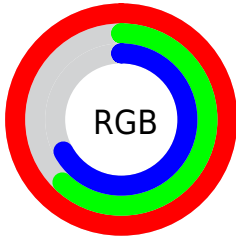
Format	Color
R _Y B	255, 159, 170
Decimal	16752554
CIE Lab	75.43, 36.94, 9.48
CIE LCh	75, 38.140, 14.389
Yxy	48.9586, 0.3951, 0.3177
Android (android.graphics.Color)	4294942634 (0xFFFF9FAA)
YUV	188.9580, -9.3463, 57.9188
Hunter-Lab	69.9704, 32.8772, 11.4765

Details

The Yxy color **48.9586, 0.3951, 0.3177** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.4129, 0.2651, 0.3411**, and the grayscale version is **50.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2971, 0.3353, 0.3190**, and **23.3518, 0.4184, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **40.2936, 0.4298, 0.3150**, and if you desaturate by 10%, it is **59.5839, 0.3664, 0.3208**.

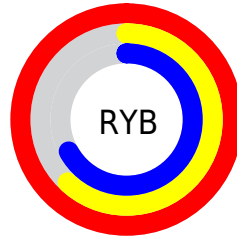
Distribution



Red (100%)

Green (62%)

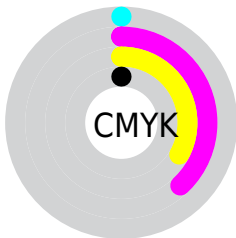
Blue (67%)



Red (100%)

Yellow (62%)

Blue (67%)

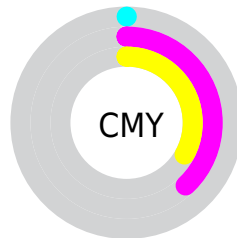


Cyan (0%)

Magenta (38%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9586, 0.3951, 0.3177 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 48.9586, 0.3951, 0.3177 by changing the saturation by 10% instead.


 48.9586, 0.3951,
0.3177


 48.9586, 0.3951,
0.3177


382.5793, 0.3539,
0.3242

 34.5866, 0.4053,
0.3158


 88.6300, 0.3802,
0.3202

 23.3446, 0.4184,
0.3133


 114.6982, 0.3745,
0.3211

 14.8482, 0.4357,
0.3098


145.4339, 0.3698,
0.3219

 8.7129, 0.4595,
0.3044

181.2215, 0.3657,
0.3225

 4.5544, 0.4942,
0.2957

222.4455, 0.3622,
0.3230

 1.9883, 0.5487,
0.2800

269.4902, 0.3591,

 0.6006, 0.7324,

0.3235

0.2676

322.7400, 0.3563,
0.3239

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.9586, 0.3951,
0.3177

■ 48.9586, 0.3951,
0.3177

■ 40.2936, 0.4298,
0.3150

■ 59.5839, 0.3664,
0.3208

■ 33.4621, 0.4704,
0.3130

■ 72.2717, 0.3431,
0.3239

■ 28.3341, 0.5151,
0.3125

■ 87.1256, 0.3244,
0.3269

■ 24.7589, 0.5596,
0.3140

99.9960, 0.3127,
0.3290

■ 22.5598, 0.5980,
0.3176

■ 21.5051, 0.6245,
0.3229

■ 21.3453, 0.6290,
0.3239

Harmonies

Analogous

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



48.9586, 0.3491, 0.2811



48.9586, 0.3951, 0.3177



48.9586, 0.4170, 0.3590

Triad

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



48.9586, 0.3951, 0.3177



48.9586, 0.3228, 0.4191



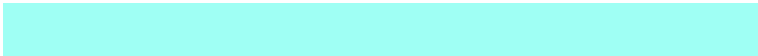
48.9586, 0.2240, 0.2551

Complementary

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



48.9586, 0.3951, 0.3177



85.4129, 0.2651, 0.3411

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.



48.9586, 0.2186, 0.2851



48.9586, 0.3951, 0.3177



48.9586, 0.2727, 0.3849

Square

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



48.9586, 0.3951, 0.3177



48.9586, 0.3725, 0.4215



48.9586, 0.2354, 0.3328



48.9586, 0.2509, 0.2458

Rectangle

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



48.9586, 0.3951, 0.3177



48.9586, 0.4142, 0.3853



48.9586, 0.2354, 0.3328



48.9586, 0.2198, 0.2629

Sweetspot

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



48.9610, 0.3951, 0.3177



81.8925, 0.3303, 0.3259



51.2167, 0.3079, 0.2330



17.0912, 0.3328, 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.



48.9610, 0.3951, 0.3177



42.4008, 0.4201, 0.3156



63.1520, 0.3911, 0.3676



18.0208, 0.3276, 0.3263



11.1661, 0.6266, 0.3225



1.0976, 0.6033, 0.3097

Inverse Universe

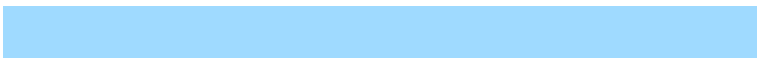
The Inverse Universe completely reimagines the original color for something new.



48.9610, 0.3951, 0.3177



42.4008, 0.4201, 0.3156



64.8359, 0.2539, 0.2864



18.0208, 0.3276, 0.3263



11.1661, 0.6266, 0.3225



1.0976, 0.6033, 0.3097

Previews

White Background



This preview shows how the Yxy color 48.9586, 0.3951, 0.3177 looks on a white background.

Color Contrast Check

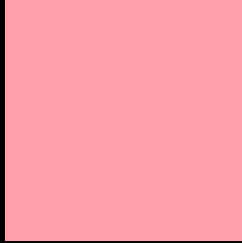
Large Text (above 18pt) WCAG AA × Fail

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 48.9586, 0.3951, 0.3177 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 48.9586, 0.3951, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 48.9586, 0.3951, 0.3177.



This preview shows how white text looks on a background with the Yxy color 48.9586, 0.3951, 0.3177.

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

48.9586, 0.3951, 0.3177

Protanopia

49.1058, 0.3177, 0.3303

Deuteranopia

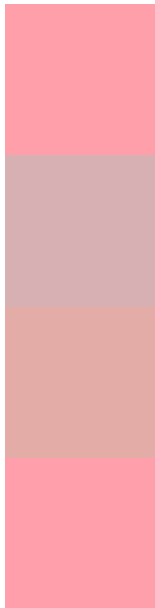
48.8423, 0.3522, 0.3450



Tritanopia

48.9965, 0.3941, 0.3166

Trichromacy



Original Color

48.9586, 0.3951, 0.3177

Protanomaly

48.6015, 0.3442, 0.3255

Deuteranomaly

48.6260, 0.3679, 0.3350

Tritanomaly

48.9965, 0.3941, 0.3166

Monochromacy



Original Color

48.9586, 0.3951, 0.3177

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.3643, 0.3403, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9586, 0.3951, 0.3177 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, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 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(255, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 170) }
```

Border

The CSS property to change the border of an element to Yxy 48.9586, 0.3951, 0.3177 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, 159, 170) }
```

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

```
.border{ border-color:rgb(255, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9586, 0.3951, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 170) }
```

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

```
.background{ background-color: rgb(255,  
159, 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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