

Converting Colors

$Y_{xy}(48.8054, 0.3914, 0.3125)$

Have a look what the booklet for
Yxy(48.8054, 0.3914, 0.3125)
contains.

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Color

Yxy(48.7697, 0.3914, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EAE
RGB	255, 158, 174
RGB Percent	100%, 62%, 68%
CMY	0.0001, 0.3803, 0.3176
CMYK	0.00, 0.38, 0.32, 0.00
HSL	350°, 100%, 81%
HSV	350°, 38%, 100%
XYZ	61.1026, 48.7697, 46.2407
YIQ	188.8270, 52.6760, 25.5400

Conversions

Conversions Part 2

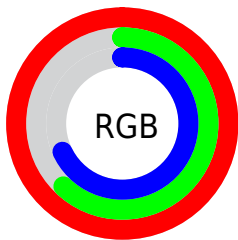
Format	Color
R_{YB}	255, 158, 174
Decimal	16752302
CIE _{Lab}	75.31, 37.96, 7.10
CIE _{LCh}	75, 38.619, 10.587
Yxy	48.7697, 0.3914, 0.3124
Android (android.graphics.Color)	4294942382 (0xFFFF9EAE)
YUV	188.8270, -7.3097, 58.0337
Hunter-Lab	69.8353, 33.9674, 9.6265

Details

The Yxy color **48.7697, 0.3914, 0.3124** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.0113, 0.2670, 0.3469**, and the grayscale version is **50.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0103, 0.3325, 0.3140**, and **23.2441, 0.4132, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **40.1904, 0.4242, 0.3084**, and if you desaturate by 10%, it is **59.2898, 0.3643, 0.3169**.

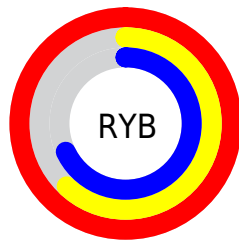
Distribution



Red (100%)

Green (62%)

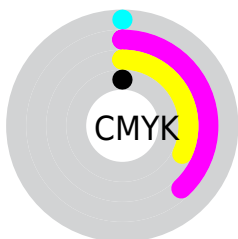
Blue (68%)



Red (100%)

Yellow (62%)

Blue (68%)

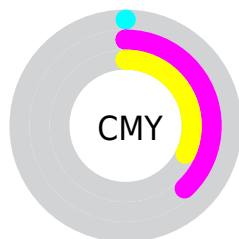


Cyan (0%)

Magenta (38%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7697, 0.3914, 0.3124 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 48.7697, 0.3914, 0.3124 by changing the saturation by 10% instead.


 48.7697, 0.3914,
0.3124


 48.7697, 0.3914,
0.3124


381.8350, 0.3521,
0.3213

 34.4368, 0.4011,
0.3100


 88.3493, 0.3772,
0.3158

 23.2294, 0.4136,
0.3069


 114.3648, 0.3718,
0.3170

 14.7630, 0.4301,
0.3025


145.0434, 0.3673,
0.3180

 8.6532, 0.4528,
0.2962

180.7693, 0.3634,
0.3189

 4.5157, 0.4860,
0.2864

221.9270, 0.3600,
0.3196

 1.9660, 0.5385,
0.2693

268.9010, 0.3570,

 0.5876, 0.6946,

0.3203

0.2454

322.0755, 0.3544,
0.3208

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7697, 0.3914,
0.3124

48.7697, 0.3914,
0.3124

40.1904, 0.4242,
0.3084

59.2898, 0.3643,
0.3169

33.4262, 0.4625,
0.3054

71.8523, 0.3422,
0.3214

28.3479, 0.5049,
0.3043

86.5599, 0.3244,
0.3257

24.8058, 0.5480,
0.3058

99.9968, 0.3127,
0.3290

■ 22.6238, 0.5865,
0.3104

■ 21.5651, 0.6152,
0.3175

■ 21.4243, 0.6197,
0.3188

Harmonies

Analogous

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



48.7697, 0.3427, 0.2765



48.7697, 0.3914, 0.3124



48.7697, 0.4173, 0.3539

Triad

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



48.7697, 0.3914, 0.3124



48.7697, 0.3295, 0.4226



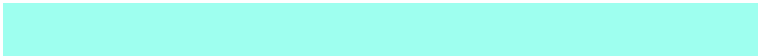
48.7697, 0.2210, 0.2568

Complementary

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



48.7697, 0.3914, 0.3124



85.0113, 0.2670, 0.3469

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.



48.7697, 0.2183, 0.2898



48.7697, 0.3914, 0.3124



48.7697, 0.2781, 0.3916

Square

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



48.7697, 0.3914, 0.3124



48.7697, 0.3788, 0.4209



48.7697, 0.2382, 0.3397



48.7697, 0.2455, 0.2448

Rectangle

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



48.7697, 0.3914, 0.3124



48.7697, 0.4172, 0.3811



48.7697, 0.2382, 0.3397



48.7697, 0.2176, 0.2655

Sweetspot

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



48.7721, 0.3914, 0.3124



81.9729, 0.3293, 0.3245



49.9976, 0.3039, 0.2308



17.1102, 0.3317, 0.3239



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.



48.7721, 0.3914, 0.3124



41.7869, 0.4171, 0.3091



60.6994, 0.3941, 0.3631



18.0359, 0.3268, 0.3251



11.2106, 0.6166, 0.3170



1.1047, 0.5887, 0.3017

Inverse Universe

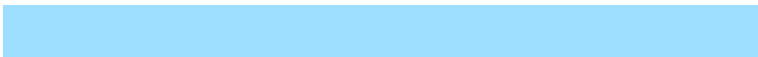
The Inverse Universe completely reimagines the original color for something new.



48.7721, 0.3914, 0.3124



41.7869, 0.4171, 0.3091



67.0837, 0.2541, 0.2917



18.0359, 0.3268, 0.3251



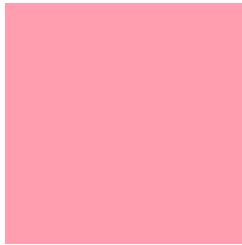
11.2106, 0.6166, 0.3170



1.1047, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 48.7697, 0.3914, 0.3124 looks on a white background.

Color Contrast Check

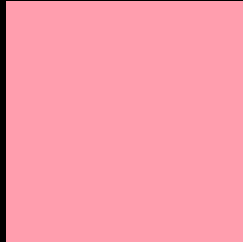
Large Text (above 18pt) WCAG AA × Fail

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 48.7697, 0.3914, 0.3124 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 48.7697, 0.3914, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 48.7697, 0.3914, 0.3124.



This preview shows how white text looks on a background with the Yxy color 48.7697, 0.3914, 0.3124.

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

48.7697, 0.3914, 0.3124

Protanopia

49.0634, 0.3121, 0.3239

Deuteranopia

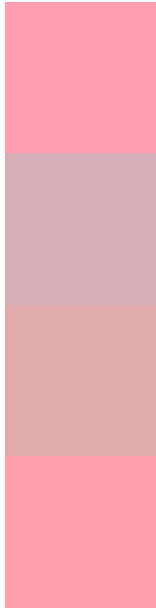
48.8441, 0.3478, 0.3401



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

48.7697, 0.3914, 0.3124

Protanomaly

48.1177, 0.3382, 0.3183

Deuteranomaly

48.2348, 0.3636, 0.3292

Tritanomaly

48.9965, 0.3941, 0.3166

Monochromacy



Original Color

48.7697, 0.3914, 0.3124

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 48.7697, 0.3914, 0.3124 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 174) }
```

Border

The CSS property to change the border of an element to Yxy 48.7697, 0.3914, 0.3124 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, 174) }
```

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

```
.border{ border-color:rgb(255, 158, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7697, 0.3914, 0.3124 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
158, 174) }
```

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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