

# Converting Colors

$Y_{xy}(48.8589, 0.3930, 0.3147)$

Have a look what the booklet for  
Yxy(48.8589, 0.3930, 0.3147)  
contains.

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# Color

**Yxy(48.6923, 0.3934, 0.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9EAC
RGB	255, 158, 172
RGB Percent	100%, 62%, 67%
CMY	0.0001, 0.3803, 0.3254
CMYK	0.00, 0.38, 0.33, 0.00
HSL	351°, 100%, 81%
HSV	351°, 38%, 100%
XYZ	60.9080, 48.6923, 45.2242
YIQ	188.5990, 53.3180, 24.9180

# Conversions

## Conversions Part 2

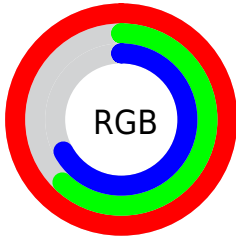
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 158, 172
Decimal	16752300
CIE Lab	75.26, 37.71, 8.12
CIE LCh	75, 38.575, 12.154
Yxy	48.6923, 0.3934, 0.3145
Android (android.graphics.Color)	4294942380 (0xFFFF9EAC)
YUV	188.5990, -8.1833, 58.2337
Hunter-Lab	69.7799, 33.6905, 10.4201

# Details

The Yxy color **48.6923, 0.3934, 0.3145** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.1262, 0.2661, 0.3446**, and the grayscale version is **50.6751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8992, 0.3340, 0.3160**, and **23.1950, 0.4161, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **40.1081, 0.4271, 0.3110**, and if you desaturate by 10%, it is **59.2233, 0.3655, 0.3184**.

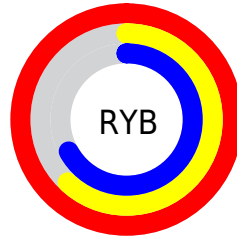
# Distribution



Red (100%)

Green (62%)

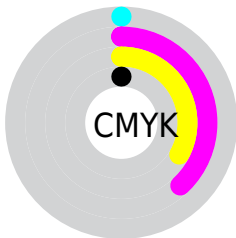
Blue (67%)



Red (100%)

Yellow (62%)

Blue (67%)

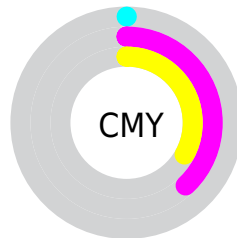


Cyan (0%)

Magenta (38%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6923, 0.3934, 0.3145 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 48.6923, 0.3934, 0.3145 by changing the saturation by 10% instead.




 48.6923, 0.3934,  
0.3145

 48.6923, 0.3934,  
0.3145


381.5297, 0.3531,  
0.3225

 34.3755, 0.4034,  
0.3123


 88.2343, 0.3788,  
0.3176

 23.1822, 0.4162,  
0.3094


 114.2282, 0.3733,  
0.3187

 14.7281, 0.4332,  
0.3053


144.8833, 0.3686,  
0.3196

 8.6288, 0.4565,  
0.2994

180.5839, 0.3646,  
0.3203

 4.4998, 0.4907,  
0.2899

221.7145, 0.3612,  
0.3210

 1.9569, 0.5445,  
0.2732

268.6594, 0.3581,

 0.5823, 0.7173,

0.3216

0.2538

321.8030, 0.3554,  
0.3220

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.6923, 0.3934,  
0.3145

48.6923, 0.3934,  
0.3145

40.1081, 0.4271,  
0.3110

59.2233, 0.3655,  
0.3184

33.3443, 0.4664,  
0.3085

71.8030, 0.3429,  
0.3223

28.2712, 0.5098,  
0.3077

86.5346, 0.3247,  
0.3261

24.7385, 0.5535,  
0.3092

99.9957, 0.3127,  
0.3290

■ 22.5693, 0.5919,  
0.3136

■ 21.5258, 0.6196,  
0.3199

■ 21.3880, 0.6239,  
0.3210

# Harmonies

## Analogous

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



48.6923, 0.3455, 0.2781



48.6923, 0.3934, 0.3145



48.6923, 0.4178, 0.3561

# Triad

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



48.6923, 0.3934, 0.3145



48.6923, 0.3268, 0.4217



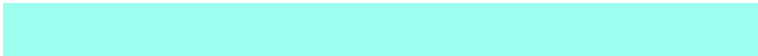
48.6923, 0.2218, 0.2557

# Complementary

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



48.6923, 0.3934, 0.3145



85.1262, 0.2661, 0.3446

# 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.



48.6923, 0.2179, 0.2876



48.6923, 0.3934, 0.3145



48.6923, 0.2757, 0.3891

# Square

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



48.6923, 0.3934, 0.3145



48.6923, 0.3765, 0.4217



48.6923, 0.2366, 0.3368



48.6923, 0.2474, 0.2448



# Rectangle

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



48.6923, 0.3934, 0.3145



48.6923, 0.4165, 0.3831



48.6923, 0.2366, 0.3368



48.6923, 0.2180, 0.2640

# Sweetspot

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



48.6947, 0.3934, 0.3145



81.9403, 0.3297, 0.3250



50.2797, 0.3052, 0.2312



17.1025, 0.3321, 0.3245



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.



48.6947, 0.3934, 0.3145



41.7052, 0.4198, 0.3117



61.4039, 0.3935, 0.3647



18.0298, 0.3272, 0.3256



11.1908, 0.6210, 0.3194



1.1018, 0.5945, 0.3049



# Inverse Universe

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



48.6947, 0.3934, 0.3145



41.7052, 0.4198, 0.3117



66.2243, 0.2538, 0.2898



18.0298, 0.3272, 0.3256



11.1908, 0.6210, 0.3194



1.1018, 0.5945, 0.3049



# Previews

## White Background



This preview shows how the Yxy color 48.6923, 0.3934, 0.3145 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 48.6923, 0.3934, 0.3145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

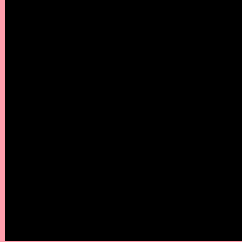
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.6923, 0.3934, 0.3145**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6923, 0.3934, 0.3145.



This preview shows how white text looks on a background with the Yxy color 48.6923, 0.3934, 0.3145.

# 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

48.6923, 0.3934, 0.3145

### Protanopia

49.1046, 0.3145, 0.3265

### Deuteranopia

48.7690, 0.3496, 0.3425



## Tritanopia

48.6160, 0.3955, 0.3166

# Trichromacy



## Original Color

48.6923, 0.3934, 0.3145



## Protanomaly

48.1835, 0.3408, 0.3207



## Deuteranomaly

48.1591, 0.3654, 0.3315



## Tritanomaly

48.6540, 0.3944, 0.3156

# Monochromacy



## Original Color

48.6923, 0.3934, 0.3145



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.4058, 0.3395, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6923, 0.3934, 0.3145 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6923, 0.3934, 0.3145 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, 172) }
```

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

```
.border{ border-color:rgb(255, 158, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6923, 0.3934, 0.3145 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
158, 172) }
```

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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