

# Converting Colors

$Y_{xy}(46.6498, 0.4026, 0.2970)$

Have a look what the booklet for  
Yxy(46.6498, 0.4026, 0.2970)  
contains.

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# Color

**Yxy(44.6851, 0.3925, 0.2958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF91B1
RGB	255, 145, 177
RGB Percent	100%, 57%, 69%
CMY	0.0001, 0.4313, 0.3059
CMYK	0.00, 0.43, 0.31, 0.00
HSL	343°, 100%, 78%
HSV	343°, 43%, 100%
XYZ	59.2931, 44.6851, 47.0870
YIQ	181.5380, 55.2880, 33.2720

# Conversions

## Conversions Part 2

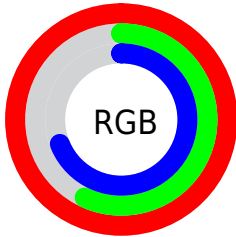
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 145, 177</a>
Decimal	<a href="#">16748977</a>
CIELab	<a href="#">72.68, 44.97, 1.66</a>
CIElCh	<a href="#">73, 44.999, 2.114</a>
Yxy	<a href="#">44.6851, 0.3925, 0.2958</a>
Android (android.graphics.Color)	<a href="#">4294939057 (0xFFFF91B1)</a>
YUV	<a href="#">181.5380, -2.2372, 64.4262</a>
Hunter-Lab	<a href="#">66.8469, 41.3471, 5.0289</a>

# Details

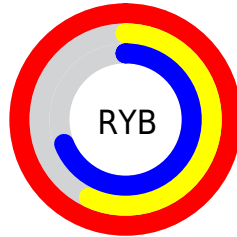
The Yxy color  $44.6851, 0.3925, 0.2958$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $82.8545, 0.2686, 0.3663$ , and the grayscale version is  $46.5070, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $68.9165, 0.3310, 0.2969$ , and  $20.8707, 0.4150, 0.2859$  is the 20% darker color. If you saturate the color by 10%, you get  $37.0744, 0.4221, 0.2890$ , and if you desaturate by 10%, it is  $54.1442, 0.3676, 0.3035$ .

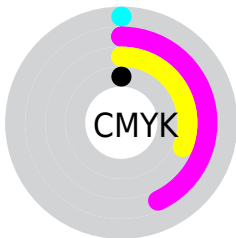
# Distribution



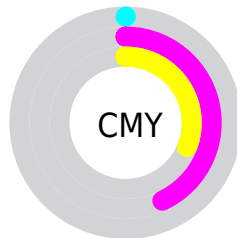
- Red (100%)
- Green (57%)
- Blue (69%)



- Red (100%)
- Yellow (57%)
- Blue (69%)



- Cyan (0%)
- Magenta (43%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6851, 0.3925, 0.2958 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 44.6851, 0.3925, 0.2958 by changing the saturation by 10% instead.




 44.6851, 0.3925,  
0.2958


 44.6851, 0.3925,  
0.2958

365.4967, 0.3523,  
0.3127

 31.2095, 0.4026,  
0.2915


 82.2477, 0.3779,  
0.3020

 20.7584, 0.4155,  
0.2860


 107.1034, 0.3724,  
0.3043

 12.9475, 0.4327,  
0.2786


136.5213, 0.3678,  
0.3062

 7.3924, 0.4566,  
0.2683

170.8857, 0.3638,  
0.3079

 3.7087, 0.4919,  
0.2528

210.5810, 0.3603,  
0.3093

 1.5120, 0.5487,  
0.2276

255.9917, 0.3573,

 0.2971, 0.7487,

0.3106

0.1480

307.5022, 0.3547,  
0.3117

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.6851, 0.3925,  
0.2958

44.6851, 0.3925,  
0.2958

37.0744, 0.4221,  
0.2890

54.1442, 0.3676,  
0.3035

31.1835, 0.4560,  
0.2842

65.5560, 0.3469,  
0.3115

26.8774, 0.4929,  
0.2825

79.0248, 0.3301,  
0.3194

23.9981, 0.5302,  
0.2851

94.6457, 0.3164,  
0.3268

■ 22.3539, 0.5642,  
0.2924

99.9953, 0.3127,  
0.3290

■ 21.7513, 0.5843,  
0.2993

# Harmonies

## Analogous

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



44.6851, 0.3295, 0.2576



44.6851, 0.3925, 0.2958



44.6851, 0.4332, 0.3427

# Triad

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



44.6851, 0.3925, 0.2958



44.6851, 0.3490, 0.4457



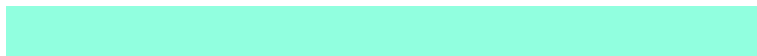
44.6851, 0.2015, 0.2512

# Complementary

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



44.6851, 0.3925, 0.2958



82.8545, 0.2686, 0.3663

# 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.



44.6851, 0.2053, 0.2961



44.6851, 0.3925, 0.2958



44.6851, 0.2870, 0.4198

# Square

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



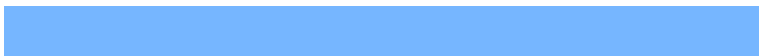
44.6851, 0.3925, 0.2958



44.6851, 0.4042, 0.4308



44.6851, 0.2351, 0.3600



44.6851, 0.2228, 0.2313



# Rectangle

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



44.6851, 0.3925, 0.2958



44.6851, 0.4398, 0.3753



44.6851, 0.2351, 0.3600



44.6851, 0.1999, 0.2634

# Sweetspot

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



44.6873, 0.3925, 0.2958



79.2199, 0.3299, 0.3195



43.0047, 0.2899, 0.2138



16.2797, 0.3333, 0.3178



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.



44.6873, 0.3925, 0.2958



37.8488, 0.4185, 0.2897



50.9431, 0.4162, 0.3524



18.0739, 0.3248, 0.3221



11.3904, 0.5801, 0.2969



1.1271, 0.5481, 0.2793



# Inverse Universe

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



44.6873, 0.3925, 0.2958



37.8488, 0.4185, 0.2897



71.5096, 0.2498, 0.3034



18.0739, 0.3248, 0.3221



11.3904, 0.5801, 0.2969

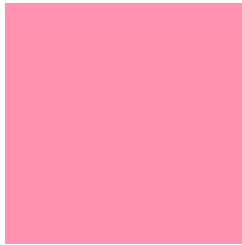


1.1271, 0.5481, 0.2793



# Previews

## White Background



This preview shows how the Yxy color 44.6851, 0.3925, 0.2958 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 44.6851, 0.3925, 0.2958 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 44.6851, 0.3925, 0.2958**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.6851, 0.3925, 0.2958.



This preview shows how white text looks on a background with the Yxy color 44.6851, 0.3925, 0.2958.

# 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

44.6851, 0.3925, 0.2958

### Protanopia

45.1734, 0.2978, 0.3056

### Deuteranopia

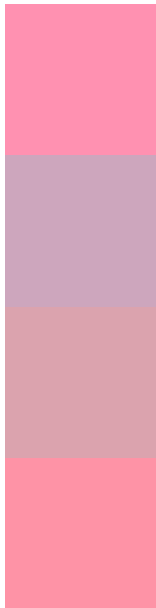
44.8715, 0.3363, 0.3303



## Tritanopia

44.5657, 0.4088, 0.3176

# Trichromacy



## Original Color

44.6851, 0.3925, 0.2958

## Protanomaly

43.9257, 0.3287, 0.3008

## Deuteranomaly

44.3104, 0.3562, 0.3160

## Tritanomaly

44.6914, 0.4026, 0.3092

# Monochromacy



## Original Color

44.6851, 0.3925, 0.2958

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

45.2265, 0.3400, 0.3156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6851, 0.3925, 0.2958 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, 145, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 177)  
}
```

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, 145, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6851, 0.3925, 0.2958 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, 145, 177) }
```

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

```
.border{ border-color:rgb(255, 145, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6851, 0.3925, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 177) }
```

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

```
.background{ background-color: rgb(255,  
145, 177) }
```

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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