

# Converting Colors

$Y_{xy}(45.3192, 0.3880, 0.3215)$

Have a look what the booklet for  
Yxy(45.3192, 0.3880, 0.3215)  
contains.

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# Color

**Yxy(45.3195, 0.3879, 0.3214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F09DA4
RGB	240, 157, 164
RGB Percent	94%, 62%, 64%
CMY	0.0588, 0.3843, 0.3568
CMYK	0.00, 0.35, 0.32, 0.06
HSL	355°, 73%, 78%
HSV	355°, 35%, 94%
XYZ	54.6964, 45.3195, 40.9906
YIQ	182.6150, 47.2210, 19.7730

# Conversions

## Conversions Part 2

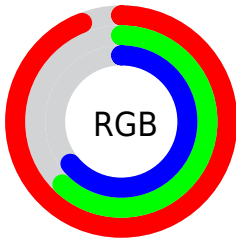
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 157, 164
Decimal	15768996
CIE Lab	73.10, 31.83, 9.21
CIE LCh	73, 33.135, 16.140
Yxy	45.3195, 0.3879, 0.3214
Android (android.graphics.Color)	4293959076 (0xFFFF09DA4)
YUV	182.6150, -9.1772, 50.3266
Hunter-Lab	67.3198, 27.2194, 11.0225

# Details

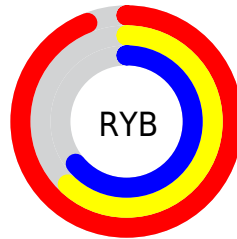
The Yxy color **45.3195, 0.3879, 0.3214** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.3783, 0.2673, 0.3370**, and the grayscale version is **47.1654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4614, 0.3400, 0.3220**, and **21.2181, 0.4102, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **37.2559, 0.4218, 0.3193**, and if you desaturate by 10%, it is **55.1197, 0.3601, 0.3237**.

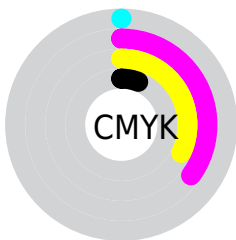
# Distribution



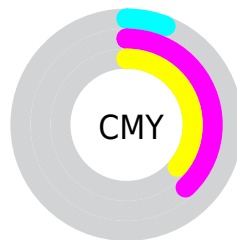
- Red (94%)
- Green (62%)
- Blue (64%)



- Red (94%)
- Yellow (62%)
- Blue (64%)



- Cyan (0%)
- Magenta (35%)
- Yellow (32%)
- Black (6%)




- Cyan (6%)
- Magenta (38%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3195, 0.3879, 0.3214 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 45.3195, 0.3879, 0.3214 by changing the saturation by 10% instead.





 45.3195, 0.3879,  
0.3214


 45.3195, 0.3879,  
0.3214


368.0660, 0.3498,  
0.3260

 31.7092, 0.3975,  
0.3200


 83.1996, 0.3740,  
0.3233

 21.1394, 0.4099,  
0.3180


 108.2382, 0.3688,  
0.3239

 13.2260, 0.4265,  
0.3152


137.8550, 0.3644,  
0.3244

 7.5843, 0.4497,  
0.3108

172.4345, 0.3606,  
0.3249

 3.8301, 0.4843,  
0.3032

212.3609, 0.3574,  
0.3252

 1.5790, 0.5405,  
0.2886

258.0187, 0.3545,

 0.3434, 0.7672,

0.3255

0.2328

309.7922, 0.3520,  
0.3258

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.3195, 0.3879,  
0.3214

45.3195, 0.3879,  
0.3214

37.2559, 0.4218,  
0.3193

55.1197, 0.3601,  
0.3237

30.8215, 0.4619,  
0.3177

66.7427, 0.3377,  
0.3259

25.9071, 0.5067,  
0.3171

80.2768, 0.3197,  
0.3281

22.3876, 0.5525,  
0.3179

95.8027, 0.3053,  
0.3301

■ 20.1177, 0.5933,  
0.3203

■ 97.2673, 0.3035,  
0.3290

■ 18.9201, 0.6226,  
0.3241

■ 18.5788, 0.6327,  
0.3259

# Harmonies

## Analogous

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



45.3195, 0.3480, 0.2877



45.3195, 0.3879, 0.3214



45.3195, 0.4059, 0.3588

# Triad

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



45.3195, 0.3879, 0.3214



45.3195, 0.3195, 0.4075



45.3195, 0.2338, 0.2619

# Complementary

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



45.3195, 0.3879, 0.3214



75.3783, 0.2673, 0.3370

# 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.



45.3195, 0.2277, 0.2882



45.3195, 0.3879, 0.3214



45.3195, 0.2749, 0.3760

# Square

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



45.3195, 0.3879, 0.3214



45.3195, 0.3642, 0.4122



45.3195, 0.2420, 0.3300



45.3195, 0.2593, 0.2541



# Rectangle

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



45.3195, 0.3879, 0.3214



45.3195, 0.4026, 0.3822



45.3195, 0.2420, 0.3300



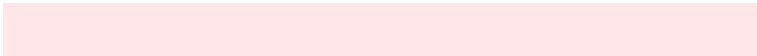
45.3195, 0.2295, 0.2686

# Sweetspot

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



45.3217, 0.3879, 0.3214



83.3822, 0.3290, 0.3269



47.5130, 0.3097, 0.2413



17.3864, 0.3316, 0.3266



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.



45.3217, 0.3879, 0.3214



44.8409, 0.4129, 0.3198



57.8770, 0.3822, 0.3658



15.7805, 0.3280, 0.3270



10.1770, 0.6307, 0.3248



0.8540, 0.6090, 0.3129



# Inverse Universe

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



45.3217, 0.3879, 0.3214



44.8409, 0.4129, 0.3198



57.9920, 0.2585, 0.2888



15.7805, 0.3280, 0.3270



10.1770, 0.6307, 0.3248



0.8540, 0.6090, 0.3129



# Previews

## White Background



This preview shows how the Yxy color 45.3195, 0.3879, 0.3214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

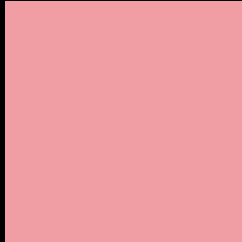
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.3195, 0.3879, 0.3214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

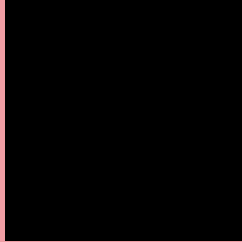
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.3195, 0.3879, 0.3214**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3195, 0.3879, 0.3214.



This preview shows how white text looks on a background with the Yxy color 45.3195, 0.3879, 0.3214.

# 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

45.3195, 0.3879, 0.3214

### Protanopia

45.5651, 0.3195, 0.3329

### Deuteranopia

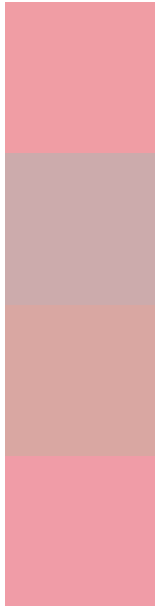
45.2977, 0.3517, 0.3442



## Tritanopia

45.1294, 0.3842, 0.3158

# Trichromacy



## Original Color

45.3195, 0.3879, 0.3214

## Protanomaly

44.9417, 0.3422, 0.3278

## Deuteranomaly

44.9978, 0.3647, 0.3352

## Tritanomaly

45.0922, 0.3852, 0.3170

# Monochromacy



## Original Color

45.3195, 0.3879, 0.3214

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.2441, 0.3381, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3195, 0.3879, 0.3214 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(240, 157, 164)` looks like.

```
.text, #text, p{  
    color:rgb(240, 157, 164)  
}
```

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(240, 157, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 157, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3195, 0.3879, 0.3214 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(240, 157, 164) }
```

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

```
.border{ border-color:rgb(240, 157, 164) }
```

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

Here you see how a box with a 4 pixel rgb(240, 157, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 157, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 157, 164);  
box-shadow:4px 4px 4px 4px rgb(240, 157,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3195, 0.3879, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 157, 164) }
```

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

```
.background{ background-color: rgb(240,  
157, 164) }
```

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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