

Converting Colors

$Y_{xy}(45.8374, 0.3940, 0.3216)$

Have a look what the booklet for
Yxy(45.8374, 0.3940, 0.3216)
contains.

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Color

Yxy(45.8338, 0.3940, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	F59CA3
RGB	245, 156, 163
RGB Percent	96%, 61%, 64%
CMY	0.0393, 0.3882, 0.3608
CMYK	0.00, 0.36, 0.33, 0.04
HSL	355°, 82%, 79%
HSV	355°, 36%, 96%
XYZ	56.1521, 45.8338, 40.5321
YIQ	183.4090, 50.7970, 21.0450

Conversions

Conversions Part 2

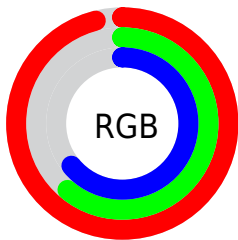
Format	Color
R _Y B	245, 156, 163
Decimal	16096419
CIE Lab	73.44, 34.04, 10.33
CIE LCh	73, 35.572, 16.883
Yxy	45.8338, 0.3940, 0.3216
Android (android.graphics.Color)	4294286499 (0xFFFF59CA3)
YUV	183.4090, -10.0616, 54.0153
Hunter-Lab	67.7007, 29.5748, 11.8938

Details

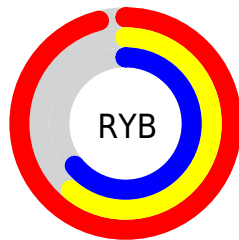
The Yxy color **45.8338, 0.3940, 0.3216** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.5419, 0.2651, 0.3369**, and the grayscale version is **47.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9105, 0.3409, 0.3220**, and **21.4130, 0.4191, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **37.6874, 0.4293, 0.3197**, and if you desaturate by 10%, it is **55.7872, 0.3649, 0.3237**.

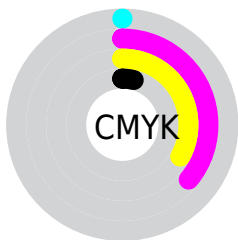
Distribution



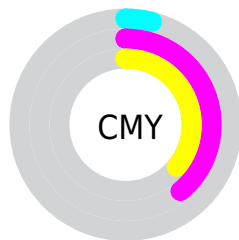
- Red (96%)
- Green (61%)
- Blue (64%)



- Red (96%)
- Yellow (61%)
- Blue (64%)



- Cyan (0%)
- Magenta (36%)
- Yellow (33%)
- Black (4%)





- Cyan (4%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8338, 0.3940, 0.3216 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 45.8338, 0.3940, 0.3216 by changing the saturation by 10% instead.

 45.8338, 0.3940,
0.3216


 45.8338, 0.3940,
0.3216

370.1401, 0.3529,
0.3263

 32.1147, 0.4044,
0.3201


 83.9702, 0.3790,
0.3235

 21.4491, 0.4177,
0.3181


 109.1563, 0.3734,
0.3242

 13.4527, 0.4354,
0.3151


138.9335, 0.3686,
0.3247

 7.7410, 0.4602,
0.3104


173.6862, 0.3646,
0.3251

 3.9297, 0.4969,
0.3023

213.7988, 0.3611,
0.3255

 1.6343, 0.5559,
0.2867

259.6558, 0.3580,

 0.3806, 0.7657,

0.3258

0.2343

311.6414, 0.3553,
0.3261

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.8338, 0.3940,
0.3216

45.8338, 0.3940,
0.3216

37.6874, 0.4293,
0.3197

55.7872, 0.3649,
0.3237

31.2333, 0.4707,
0.3184

67.6400, 0.3414,
0.3258

26.3543, 0.5164,
0.3181

81.4860, 0.3226,
0.3278

22.9153, 0.5620,
0.3191

97.4113, 0.3076,
0.3297

■ 20.7585, 0.6010,
0.3216

■ 98.1507, 0.3066,
0.3290

■ 19.6880, 0.6272,
0.3254

■ 19.4584, 0.6335,
0.3264

Harmonies

Analogous

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



45.8338, 0.3516, 0.2858



45.8338, 0.3940, 0.3216



45.8338, 0.4125, 0.3613

Triad

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



45.8338, 0.3940, 0.3216



45.8338, 0.3184, 0.4129



45.8338, 0.2292, 0.2569

Complementary

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



45.8338, 0.3940, 0.3216



78.5419, 0.2651, 0.3369

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.



45.8338, 0.2222, 0.2842



45.8338, 0.3940, 0.3216



45.8338, 0.2711, 0.3783

Square

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



45.8338, 0.3940, 0.3216



45.8338, 0.3664, 0.4182



45.8338, 0.2367, 0.3286



45.8338, 0.2566, 0.2494

Rectangle

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



45.8338, 0.3940, 0.3216



45.8338, 0.4083, 0.3861



45.8338, 0.2367, 0.3286



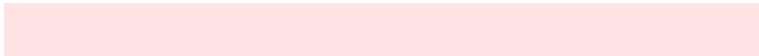
45.8338, 0.2245, 0.2638

Sweetspot

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



45.8360, 0.3940, 0.3216



81.8363, 0.3310, 0.3269



48.4771, 0.3107, 0.2372



17.0779, 0.3335, 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.



45.8360, 0.3940, 0.3216



43.0987, 0.4209, 0.3201



59.9898, 0.3862, 0.3692



16.5036, 0.3281, 0.3272



10.4912, 0.6316, 0.3253



0.9292, 0.6122, 0.3146

Inverse Universe

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



45.8360, 0.3940, 0.3216



43.0987, 0.4209, 0.3201



58.7322, 0.2555, 0.2846



16.5036, 0.3281, 0.3272



10.4912, 0.6316, 0.3253



0.9292, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 45.8338, 0.3940, 0.3216 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 45.8338, 0.3940, 0.3216 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 45.8338, 0.3940, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 45.8338, 0.3940, 0.3216.



This preview shows how white text looks on a background with the Yxy color 45.8338, 0.3940, 0.3216.

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

45.8338, 0.3940, 0.3216

Protanopia

46.0914, 0.3203, 0.3342

Deuteranopia

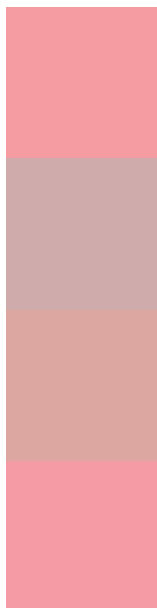
45.9320, 0.3542, 0.3466



Tritanopia

45.6452, 0.3903, 0.3161

Trichromacy



Original Color

45.8338, 0.3940, 0.3216

Protanomaly

45.3315, 0.3459, 0.3291

Deuteranomaly

45.4263, 0.3685, 0.3364

Tritanomaly

45.6083, 0.3913, 0.3172

Monochromacy



Original Color

45.8338, 0.3940, 0.3216

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.1435, 0.3401, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8338, 0.3940, 0.3216 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(245, 156, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 156, 163)  
}
```

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(245, 156, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 156, 163) }
```

Border

The CSS property to change the border of an element to Yxy 45.8338, 0.3940, 0.3216 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(245, 156, 163) }
```

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

```
.border{ border-color:rgb(245, 156, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 156, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 156, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 156, 163);  
box-shadow:4px 4px 4px 4px rgb(245, 156,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8338, 0.3940, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 156, 163) }
```

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

```
.background{ background-color: rgb(245,  
156, 163) }
```

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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