

Converting Colors

$Y_{xy}(47.8063, 0.3615, 0.2893)$

Have a look what the booklet for
Yxy(47.8063, 0.3615, 0.2893)
contains.

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Color

Yxy(47.8063, 0.3615, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	F59EC3
RGB	245, 158, 195
RGB Percent	96%, 62%, 76%
CMY	0.0391, 0.3804, 0.2353
CMYK	0.00, 0.36, 0.20, 0.04
HSL	334°, 81%, 79%
HSV	334°, 36%, 96%
XYZ	59.7372, 47.8063, 57.7047
YIQ	188.2310, 39.9750, 29.9510

Conversions

Conversions Part 2

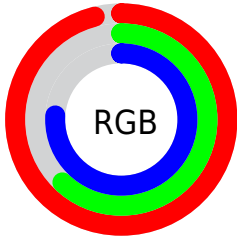
Format	Color
R _Y B	245, 158, 195
Decimal	16096963
CIE Lab	74.70, 37.33, -5.47
CIE LCh	75, 37.730, 351.669
Yxy	47.8063, 0.3615, 0.2893
Android (android.graphics.Color)	4294287043 (0xFFFF59EC3)
YUV	188.2310, 3.3371, 49.7864
Hunter-Lab	69.1421, 33.2213, -1.0828

Details

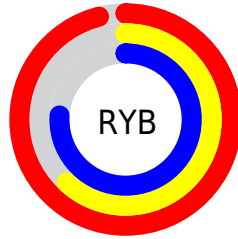
The Yxy color **47.8063, 0.3615, 0.2893** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **77.1397, 0.2812, 0.3730**, and the grayscale version is **50.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3814, 0.3166, 0.2919**, and **22.5910, 0.3752, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **39.6594, 0.3819, 0.2782**, and if you desaturate by 10%, it is **57.6840, 0.3443, 0.3009**.

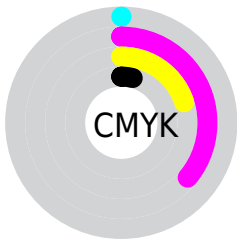
Distribution



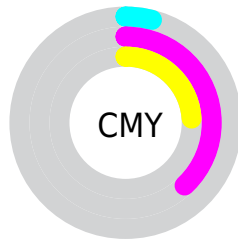
- Red (96%)
- Green (62%)
- Blue (76%)



- Red (96%)
- Yellow (62%)
- Blue (76%)



- Cyan (0%)
- Magenta (36%)
- Yellow (20%)
- Black (4%)




- Cyan (4%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8063, 0.3615, 0.2893 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 47.8063, 0.3615, 0.2893 by changing the saturation by 10% instead.


 47.8063, 0.3615,
0.2893


 47.8063, 0.3615,
0.2893


378.0238, 0.3375,
0.3086

 33.6735, 0.3674,
0.2847


 86.9159, 0.3529,
0.2962

 22.6429, 0.3748,
0.2788


 112.6616, 0.3496,
0.2988

 14.3301, 0.3847,
0.2713


143.0470, 0.3468,
0.3010

 8.3506, 0.3981,
0.2610

178.4565, 0.3444,
0.3029

 4.3201, 0.4177,
0.2464

219.2745, 0.3424,
0.3046

 1.8542, 0.4486,
0.2240

265.8855, 0.3405,

 0.5206, 0.5120,

0.3061

0.1729

318.6738, 0.3389,
0.3074

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.8063, 0.3615,
0.2893

47.8063, 0.3615,
0.2893

39.6594, 0.3819,
0.2782

57.6840, 0.3443,
0.3009

33.1353, 0.4057,
0.2684

69.3786, 0.3300,
0.3123

28.1244, 0.4326,
0.2611

82.9786, 0.3183,
0.3232

24.5004, 0.4616,
0.2576

97.9218, 0.3087,
0.3325

■ 22.1164, 0.4913,
0.2590

■ 98.1557, 0.3066,
0.3290

■ 20.7911, 0.5196,
0.2660

■ 20.4186, 0.5317,
0.2703

Harmonies

Analogous

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



47.8063, 0.3083, 0.2606



47.8063, 0.3615, 0.2893



47.8063, 0.4028, 0.3276

Triad

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



47.8063, 0.3615, 0.2893



47.8063, 0.3611, 0.4236



47.8063, 0.2181, 0.2761

Complementary

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



47.8063, 0.3615, 0.2893



77.1397, 0.2812, 0.3730

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.



47.8063, 0.2295, 0.3202



47.8063, 0.3615, 0.2893



47.8063, 0.3101, 0.4132

Square

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



47.8063, 0.3615, 0.2893



47.8063, 0.4010, 0.4046



47.8063, 0.2623, 0.3729



47.8063, 0.2289, 0.2512

Rectangle

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



47.8063, 0.3615, 0.2893



47.8063, 0.4160, 0.3552



47.8063, 0.2623, 0.3729



47.8063, 0.2194, 0.2890

Sweetspot

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



47.8085, 0.3615, 0.2893



82.3954, 0.3245, 0.3173



44.3566, 0.2855, 0.2323



17.2104, 0.3261, 0.3158



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.



47.8085, 0.3615, 0.2893



45.4222, 0.3767, 0.2808



48.3633, 0.3960, 0.3356



16.5995, 0.3227, 0.3190



11.0245, 0.5276, 0.2680



0.9891, 0.4956, 0.2504

Inverse Universe

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



47.8085, 0.3615, 0.2893



45.4222, 0.3767, 0.2808



75.7225, 0.2618, 0.3222



16.5995, 0.3227, 0.3190



11.0245, 0.5276, 0.2680



0.9891, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 47.8063, 0.3615, 0.2893 looks on a white background.

Color Contrast Check

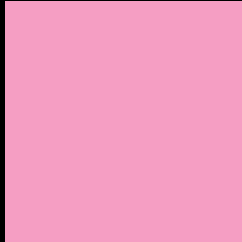
Large Text (above 18pt) WCAG AA × Fail

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 47.8063, 0.3615, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

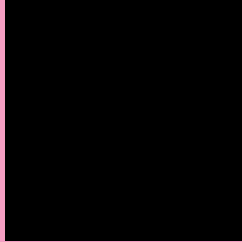
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8063, 0.3615, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 47.8063, 0.3615, 0.2893.



This preview shows how white text looks on a background with the Yxy color 47.8063, 0.3615, 0.2893.

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

47.8063, 0.3615, 0.2893

Protanopia

48.2234, 0.2900, 0.2951

Deuteranopia

48.1439, 0.3203, 0.3142



Tritanopia

47.9513, 0.3791, 0.3160

Trichromacy



Original Color

47.8063, 0.3615, 0.2893



Protanomaly

47.5173, 0.3136, 0.2919



Deuteranomaly

47.5305, 0.3354, 0.3043



Tritanomaly

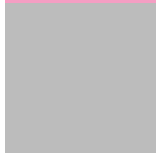
48.1002, 0.3725, 0.3063

Monochromacy



Original Color

47.8063, 0.3615, 0.2893



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.7612, 0.3293, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8063, 0.3615, 0.2893 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, 158, 195)` looks like.

```
.text, #text, p{  
    color:rgb(245, 158, 195)  
}
```

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, 158, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 158, 195) }
```

Border

The CSS property to change the border of an element to Yxy 47.8063, 0.3615, 0.2893 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, 158, 195) }
```

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

```
.border{ border-color:rgb(245, 158, 195) }
```

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

Here you see how a box with a 4 pixel rgb(245, 158, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 158, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 158, 195);  
box-shadow:4px 4px 4px 4px rgb(245, 158,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8063, 0.3615, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 158, 195) }
```

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

```
.background{ background-color: rgb(245,  
158, 195) }
```

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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