

Converting Colors

$Y_{xy}(48.6044, 0.3415, 0.2685)$

Have a look what the booklet for
Yxy(48.6044, 0.3415, 0.2685)
contains.

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Color

Yxy(48.5931, 0.3418, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	F49ED7
RGB	244, 158, 215
RGB Percent	96%, 62%, 84%
CMY	0.0433, 0.3803, 0.1570
CMYK	0.00, 0.35, 0.12, 0.04
HSL	320°, 80%, 79%
HSV	320°, 35%, 96%
XYZ	61.7899, 48.5931, 70.3949
YIQ	190.2120, 32.9590, 35.9590

Conversions

Conversions Part 2

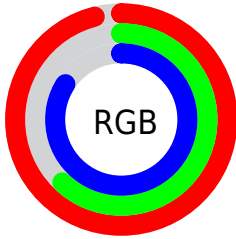
Format	Color
R_YB	244, 158, 215
Decimal	16031447
CIE Lab	75.20, 40.05, -15.70
CIE LCh	75, 43.017, 338.593
Yxy	48.5931, 0.3418, 0.2688
Android (android.graphics.Color)	4294221527 (0xFFFF49ED7)
YUV	190.2120, 12.2205, 47.1721
Hunter-Lab	69.7088, 36.2322, -11.0775

Details

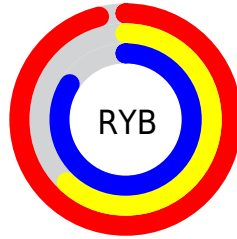
The Yxy color **48.5931, 0.3418, 0.2688** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.5433, 0.2922, 0.3983**, and the grayscale version is **51.5363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **23.0803, 0.3486, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **40.6680, 0.3532, 0.2520**, and if you desaturate by 10%, it is **58.1960, 0.3318, 0.2863**.

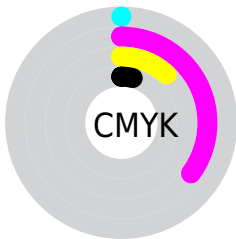
Distribution



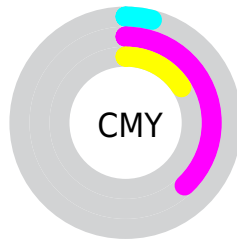
- Red (96%)
- Green (62%)
- Blue (84%)



- Red (96%)
- Yellow (62%)
- Blue (84%)



- Cyan (0%)
- Magenta (35%)
- Yellow (12%)
- Black (4%)





- Cyan (4%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5931, 0.3418, 0.2688 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 48.5931, 0.3418, 0.2688 by changing the saturation by 10% instead.


 48.5931, 0.3418,
0.2688


 48.5931, 0.3418,
0.2688


381.1382, 0.3281,
0.2971

 34.2968, 0.3450,
0.2622


 88.0868, 0.3370,
0.2787

 23.1217, 0.3489,
0.2541


 114.0530, 0.3352,
0.2825

 14.6834, 0.3540,
0.2437


144.6780, 0.3336,
0.2858

 8.5975, 0.3606,
0.2301

180.3462, 0.3322,
0.2887

 4.4796, 0.3697,
0.2113

221.4419, 0.3310,
0.2912

 1.9453, 0.3830,
0.1843

268.3495, 0.3299,

 0.5754, 0.4068,

0.2934

0.1356

321.4535, 0.3290,
0.2954

0.0000, 0.4765,
0.0000

0.0000, 0.0000,
0.0000

48.5931, 0.3418,
0.2688

48.5931, 0.3418,
0.2688

40.6680, 0.3532,
0.2520

58.1960, 0.3318,
0.2863

34.3155, 0.3660,
0.2368

69.5604, 0.3233,
0.3037

29.4288, 0.3800,
0.2243

82.7726, 0.3160,
0.3205

25.8850, 0.3947,
0.2156

97.5185, 0.3100,
0.3359

■ 23.5409, 0.4097,
0.2117

■ 97.9676, 0.3059,
0.3290

■ 22.2201, 0.4243,
0.2130

■ 21.8242, 0.4312,
0.2149

Harmonies

Analogous

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



48.5931, 0.2822, 0.2435



48.5931, 0.3418, 0.2688



48.5931, 0.3975, 0.3073

Triad

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



48.5931, 0.3418, 0.2688



48.5931, 0.3887, 0.4297



48.5931, 0.2092, 0.2879

Complementary

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



48.5931, 0.3418, 0.2688



75.5433, 0.2922, 0.3983

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.



48.5931, 0.2323, 0.3446



48.5931, 0.3418, 0.2688



48.5931, 0.3346, 0.4352

Square

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



48.5931, 0.3418, 0.2688



48.5931, 0.4242, 0.3969



48.5931, 0.2773, 0.4028



48.5931, 0.2107, 0.2505

Rectangle

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



48.5931, 0.3418, 0.2688



48.5931, 0.4219, 0.3371



48.5931, 0.2773, 0.4028



48.5931, 0.2142, 0.3052

Sweetspot

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



48.5953, 0.3418, 0.2688



82.7962, 0.3201, 0.3108



41.5163, 0.2698, 0.2288



17.3059, 0.3211, 0.3085



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.



48.5953, 0.3418, 0.2688



47.5160, 0.3495, 0.2571



46.6824, 0.3829, 0.3135



16.6677, 0.3190, 0.3134



11.8967, 0.4290, 0.2137



1.0647, 0.4119, 0.2043

Inverse Universe

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



48.5953, 0.3418, 0.2688



47.5160, 0.3495, 0.2571



77.6478, 0.2700, 0.3455



16.6677, 0.3190, 0.3134



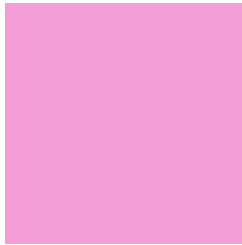
11.8967, 0.4290, 0.2137



1.0647, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 48.5931, 0.3418, 0.2688 looks on a white background.

Color Contrast Check

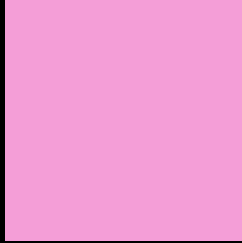
Large Text (above 18pt) WCAG AA × Fail

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 48.5931, 0.3418, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

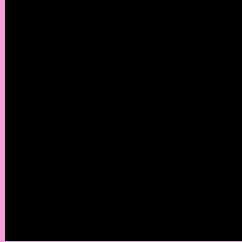
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5931, 0.3418, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 48.5931, 0.3418, 0.2688.



This preview shows how white text looks on a background with the Yxy color 48.5931, 0.3418, 0.2688.

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

48.5931, 0.3418, 0.2688

Protanopia

49.1058, 0.2709, 0.2706

Deuteranopia

48.9574, 0.2988, 0.2924



Tritanopia

48.6499, 0.3715, 0.3148

Trichromacy



Original Color

48.5931, 0.3418, 0.2688



Protanomaly

48.2930, 0.2933, 0.2692



Deuteranomaly

48.4895, 0.3140, 0.2836



Tritanomaly

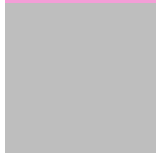
48.3030, 0.3608, 0.2974

Monochromacy



Original Color

48.5931, 0.3418, 0.2688



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.6659, 0.3234, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5931, 0.3418, 0.2688 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(244, 158, 215)` looks like.

```
.text, #text, p{  
    color:rgb(244, 158, 215)  
}
```

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(244, 158, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 158, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.5931, 0.3418, 0.2688 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(244, 158, 215) }
```

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

```
.border{ border-color:rgb(244, 158, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 158, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 158, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 158, 215); box-shadow:4px 4px 4px 4px rgb(244, 158, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5931, 0.3418, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 158, 215) }
```

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

```
.background{ background-color: rgb(244,  
158, 215) }
```

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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