

Converting Colors

$Y_{xy}(49.2482, 0.3382, 0.2644)$

Have a look what the booklet for
Yxy(49.2482, 0.3382, 0.2644)
contains.

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Color

Yxy(49.0335, 0.3382, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	F59EDC
RGB	245, 158, 220
RGB Percent	96%, 62%, 86%
CMY	0.0391, 0.3805, 0.1371
CMYK	0.00, 0.36, 0.10, 0.04
HSL	317°, 81%, 79%
HSV	317°, 36%, 96%
XYZ	62.8149, 49.0335, 73.8846
YIQ	191.0810, 31.9500, 37.7260

Conversions

Conversions Part 2

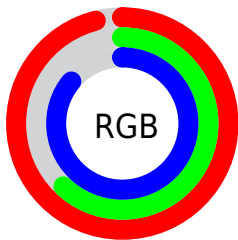
Format	Color
R _Y B	245, 158, 220
Decimal	16096988
CIE Lab	75.47, 41.25, -18.04
CIE LCh	75, 45.019, 336.378
Yxy	49.0335, 0.3382, 0.2640
Android (android.graphics.Color)	4294287068 (0xFF59EDC)
YUV	191.0810, 14.2571, 47.2870
Hunter-Lab	70.0239, 37.5814, -13.5421

Details

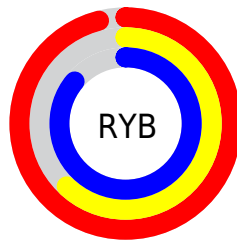
The Yxy color **49.0335, 0.3382, 0.2640** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.0154, 0.2944, 0.4046**, and the grayscale version is **52.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **23.3846, 0.3435, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **41.1292, 0.3479, 0.2462**, and if you desaturate by 10%, it is **58.6244, 0.3296, 0.2826**.

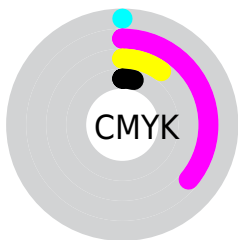
Distribution



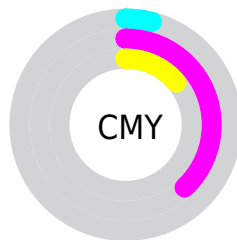
- Red (96%)
- Green (62%)
- Blue (86%)



- Red (96%)
- Yellow (62%)
- Blue (86%)



- Cyan (0%)
- Magenta (36%)
- Yellow (10%)
- Black (4%)





- Cyan (4%)
- Magenta (38%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0335, 0.3382, 0.2640 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 49.0335, 0.3382, 0.2640 by changing the saturation by 10% instead.

 49.0335, 0.3382,
0.2640


 49.0335, 0.3382,
0.2640


382.8742, 0.3264,
0.2944

 34.6461, 0.3409,
0.2570


 88.7412, 0.3341,
0.2746

 23.3904, 0.3442,
0.2484


 114.8303, 0.3325,
0.2787

 14.8820, 0.3483,
0.2374


145.5886, 0.3312,
0.2822

 8.7366, 0.3537,
0.2231

181.4007, 0.3300,
0.2853

 4.5698, 0.3609,
0.2037

222.6509, 0.3289,
0.2880

 1.9971, 0.3709,
0.1759

269.7237, 0.3280,

 0.6058, 0.3876,

0.2903

0.1289

323.0033, 0.3272,
0.2925

0.0000, 0.4258,
0.0000

0.0000, 0.0000,
0.0000

49.0335, 0.3382,
0.2640

49.0335, 0.3382,
0.2640

41.1292, 0.3479,
0.2462

58.6244, 0.3296,
0.2826

34.8050, 0.3587,
0.2300

69.9867, 0.3222,
0.3012

29.9528, 0.3703,
0.2167

83.2075, 0.3158,
0.3194

26.4479, 0.3824,
0.2073

97.7289, 0.3105,
0.3356

■ 24.1449, 0.3946,
0.2026

■ 98.1599, 0.3066,
0.3290

■ 22.8643, 0.4065,
0.2029

■ 22.5012, 0.4117,
0.2042

Harmonies

Analogous

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



49.0335, 0.2766, 0.2391



49.0335, 0.3382, 0.2640



49.0335, 0.3975, 0.3030

Triad

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



49.0335, 0.3382, 0.2640



49.0335, 0.3952, 0.4320



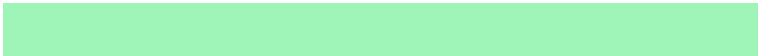
49.0335, 0.2061, 0.2896

Complementary

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



49.0335, 0.3382, 0.2640



76.0154, 0.2944, 0.4046

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.



49.0335, 0.2317, 0.3499



49.0335, 0.3382, 0.2640



49.0335, 0.3396, 0.4410

Square

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



49.0335, 0.3382, 0.2640



49.0335, 0.4304, 0.3960



49.0335, 0.2798, 0.4101



49.0335, 0.2059, 0.2493

Rectangle

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



49.0335, 0.3382, 0.2640



49.0335, 0.4246, 0.3336



49.0335, 0.2798, 0.4101



49.0335, 0.2119, 0.3081

Sweetspot

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



49.0357, 0.3382, 0.2640



82.8826, 0.3192, 0.3095



41.0661, 0.2660, 0.2268



17.3265, 0.3201, 0.3070



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.



49.0357, 0.3382, 0.2640



46.9727, 0.3455, 0.2504



47.0349, 0.3794, 0.3086



16.6824, 0.3182, 0.3123



12.1424, 0.4099, 0.2032



1.0849, 0.3961, 0.1956

Inverse Universe

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



49.0357, 0.3382, 0.2640



46.9727, 0.3455, 0.2504



78.0976, 0.2719, 0.3509



16.6824, 0.3182, 0.3123



12.1424, 0.4099, 0.2032



1.0849, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 49.0335, 0.3382, 0.2640 looks on a white background.

Color Contrast Check

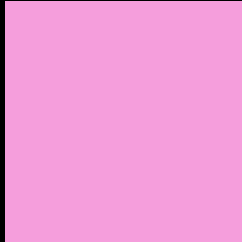
Large Text (above 18pt) WCAG AA × Fail

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 49.0335, 0.3382, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

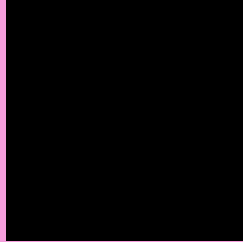
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0335, 0.3382, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 49.0335, 0.3382, 0.2640.



This preview shows how white text looks on a background with the Yxy color 49.0335, 0.3382, 0.2640.

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

49.0335, 0.3382, 0.2640

Protanopia

49.3383, 0.2664, 0.2639

Deuteranopia

49.3609, 0.2935, 0.2877



Tritanopia

49.0524, 0.3703, 0.3148

Trichromacy



Original Color

49.0335, 0.3382, 0.2640



Protanomaly

48.5716, 0.2896, 0.2639



Deuteranomaly

48.5985, 0.3091, 0.2780



Tritanomaly

48.9667, 0.3586, 0.2954

Monochromacy



Original Color

49.0335, 0.3382, 0.2640



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.3534, 0.3217, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0335, 0.3382, 0.2640 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(245, 158, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 158, 220) }
```

Border

The CSS property to change the border of an element to Yxy 49.0335, 0.3382, 0.2640 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, 220) }
```

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

```
.border{ border-color:rgb(245, 158, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 158, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 158, 220);  
box-shadow:4px 4px 4px 4px rgb(245, 158,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0335, 0.3382, 0.2640 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, 220) }
```

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

```
.background{ background-color: rgb(245,  
158, 220) }
```

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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