

Converting Colors

$Y_{xy}(49.3670, 0.3642, 0.3037)$

Have a look what the booklet for
Yxy(49.3670, 0.3642, 0.3037)
contains.

Yxy(49.4184, 0.3639, 0.3040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4184, 0.3639, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	F2A5BC
RGB	242, 165, 188
RGB Percent	95%, 65%, 74%
CMY	0.0509, 0.3530, 0.2628
CMYK	0.00, 0.32, 0.22, 0.05
HSL	342°, 75%, 80%
HSV	342°, 32%, 95%
XYZ	59.1558, 49.4184, 53.9864
YIQ	190.6450, 38.5090, 23.4770

Conversions

Conversions Part 2

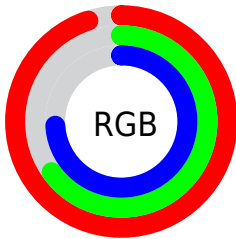
Format	Color
R _Y B	242, 165, 188
Decimal	15902140
CIE Lab	75.71, 31.59, -0.17
CIE LCh	76, 31.592, 359.684
Yxy	49.4184, 0.3639, 0.3040
Android (android.graphics.Color)	4294092220 (0xFFFF2A5BC)
YUV	190.6450, -1.3040, 45.0383
Hunter-Lab	70.2982, 27.1854, 3.6763

Details

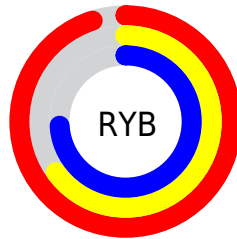
The Yxy color **49.4184, 0.3639, 0.3040** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.6371, 0.2789, 0.3558**, and the grayscale version is **51.8763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5046, 0.3215, 0.3064**, and **23.6519, 0.3785, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **40.8110, 0.3878, 0.2960**, and if you desaturate by 10%, it is **59.7685, 0.3441, 0.3122**.

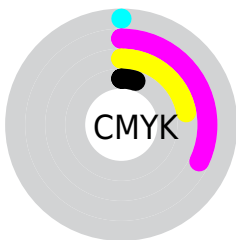
Distribution



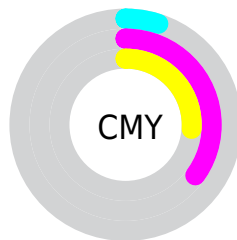
- Red (95%)
- Green (65%)
- Blue (74%)



- Red (95%)
- Yellow (65%)
- Blue (74%)



- Cyan (0%)
- Magenta (32%)
- Yellow (22%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4184, 0.3639, 0.3040 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 49.4184, 0.3639, 0.3040 by changing the saturation by 10% instead.


 49.4184, 0.3639,
0.3040

 49.4184, 0.3639,
0.3040


384.3871, 0.3386,
0.3164

 34.9515, 0.3701,
0.3010

 89.3126, 0.3548,
0.3085

 23.6255, 0.3781,
0.2971


 115.5086, 0.3513,
0.3101

 15.0561, 0.3886,
0.2920


146.3831, 0.3484,
0.3116

 8.8587, 0.4030,
0.2849

182.3206, 0.3459,
0.3128

 4.6492, 0.4242,
0.2746

223.7053, 0.3437,
0.3139

 2.0429, 0.4579,
0.2582

270.9217, 0.3418,

 0.6322, 0.5281,

0.3148

0.2239

324.3542, 0.3401,
0.3156

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.4184, 0.3639,
0.3040

49.4184, 0.3639,
0.3040

40.8110, 0.3878,
0.2960

59.7685, 0.3441,
0.3122

33.8431, 0.4163,
0.2889

71.9434, 0.3280,
0.3202

28.4109, 0.4491,
0.2835

86.0282, 0.3148,
0.3277

24.3963, 0.4852,
0.2811

97.6224, 0.3048,
0.3290

■ 21.6631, 0.5221,
0.2829

■ 20.0483, 0.5566,
0.2894

■ 19.3532, 0.5810,
0.2974

Harmonies

Analogous

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



49.4184, 0.3213, 0.2767



49.4184, 0.3639, 0.3040



49.4184, 0.3929, 0.3379

Triad

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



49.4184, 0.3639, 0.3040



49.4184, 0.3428, 0.4071



49.4184, 0.2337, 0.2782

Complementary

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



49.4184, 0.3639, 0.3040



76.6371, 0.2789, 0.3558

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.



49.4184, 0.2385, 0.3114



49.4184, 0.3639, 0.3040



49.4184, 0.2998, 0.3909

Square

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



49.4184, 0.3639, 0.3040



49.4184, 0.3792, 0.3985



49.4184, 0.2620, 0.3539



49.4184, 0.2479, 0.2611

Rectangle

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



49.4184, 0.3639, 0.3040



49.4184, 0.3993, 0.3612



49.4184, 0.2620, 0.3539



49.4184, 0.2331, 0.2876

Sweetspot

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



49.4207, 0.3639, 0.3040



83.6965, 0.3254, 0.3215



48.3683, 0.2974, 0.2451



17.4619, 0.3274, 0.3205



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.



49.4207, 0.3639, 0.3040



49.3363, 0.3784, 0.2989



54.4037, 0.3806, 0.3462



15.8365, 0.3246, 0.3220



10.4148, 0.5767, 0.2951



0.8833, 0.5394, 0.2745

Inverse Universe

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



49.4207, 0.3639, 0.3040



49.3363, 0.3784, 0.2989



69.1431, 0.2650, 0.3110



15.8365, 0.3246, 0.3220



10.4148, 0.5767, 0.2951



0.8833, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 49.4184, 0.3639, 0.3040 looks on a white background.

Color Contrast Check

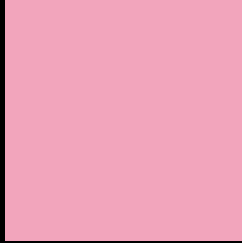
Large Text (above 18pt) WCAG AA × Fail

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 49.4184, 0.3639, 0.3040 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 49.4184, 0.3639, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 49.4184, 0.3639, 0.3040.



This preview shows how white text looks on a background with the Yxy color 49.4184, 0.3639, 0.3040.

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

49.4184, 0.3639, 0.3040

Protanopia

49.7270, 0.3021, 0.3115

Deuteranopia

49.6723, 0.3311, 0.3242



Tritanopia

49.2279, 0.3712, 0.3148

Trichromacy



Original Color

49.4184, 0.3639, 0.3040

Protanomaly

48.9481, 0.3224, 0.3074

Deuteranomaly

49.2652, 0.3427, 0.3162

Tritanomaly

49.3506, 0.3684, 0.3115

Monochromacy



Original Color

49.4184, 0.3639, 0.3040

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.8752, 0.3303, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4184, 0.3639, 0.3040 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(242, 165, 188)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 188)  
}
```

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(242, 165, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 188) }
```

Border

The CSS property to change the border of an element to Yxy 49.4184, 0.3639, 0.3040 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(242, 165, 188) }
```

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

```
.border{ border-color:rgb(242, 165, 188) }
```

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

Here you see how a box with a 4 pixel rgb(242, 165, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 188);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4184, 0.3639, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 188) }
```

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

```
.background{ background-color: rgb(242,  
165, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor