

Converting Colors

$Yxy(50.0906, 0.3582, 0.2998)$

Have a look what the booklet for
Yxy(50.0906, 0.3582, 0.2998)
contains.

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Color

Yxy(49.9999, 0.3589, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	F2A6C1
RGB	242, 166, 193
RGB Percent	95%, 65%, 76%
CMY	0.0511, 0.3490, 0.2431
CMYK	0.00, 0.31, 0.20, 0.05
HSL	339°, 74%, 80%
HSV	339°, 31%, 95%
XYZ	59.8764, 49.9999, 56.9568
YIQ	191.8020, 36.6290, 24.5090

Conversions

Conversions Part 2

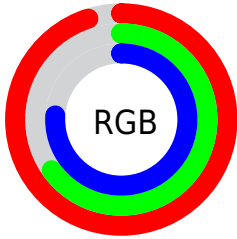
Format	Color
R _Y B	242, 166, 193
Decimal	15902401
CIE Lab	76.07, 31.77, -2.41
CIE LCh	76, 31.864, 355.666
Yxy	49.9999, 0.3589, 0.2997
Android (android.graphics.Color)	4294092481 (0xFFFF2A6C1)
YUV	191.8020, 0.5906, 44.0236
Hunter-Lab	70.7106, 27.4069, 1.7398

Details

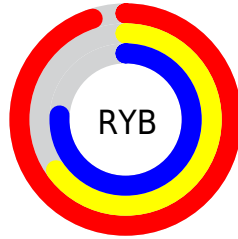
The Yxy color $49.9999, 0.3589, 0.2997$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $76.5068, 0.2816, 0.3606$, and the grayscale version is $52.5729, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.3421, 0.3181, 0.3026$, and $24.0180, 0.3715, 0.2911$ is the 20% darker color. If you saturate the color by 10%, you get $41.3561, 0.3805, 0.2902$, and if you desaturate by 10%, it is $60.3768, 0.3410, 0.3094$.

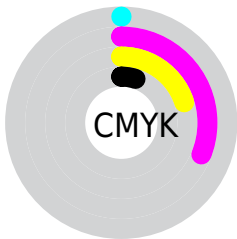
Distribution



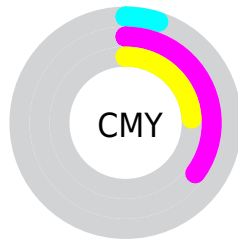
- Red (95%)
- Green (65%)
- Blue (76%)



- Red (95%)
- Yellow (65%)
- Blue (76%)



- Cyan (0%)
- Magenta (31%)
- Yellow (20%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9999, 0.3589, 0.2997 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 49.9999, 0.3589, 0.2997 by changing the saturation by 10% instead.

 49.9999, 0.3589,
0.2997


 49.9999, 0.3589,
0.2997


386.6656, 0.3362,
0.3140

 35.4133, 0.3645,
0.2962


 90.1747, 0.3507,
0.3048

 23.9814, 0.3715,
0.2919


 116.5318, 0.3476,
0.3068

 15.3198, 0.3808,
0.2861


147.5811, 0.3450,
0.3084

 9.0442, 0.3936,
0.2783


183.7071, 0.3428,
0.3098

 4.7700, 0.4121,
0.2671

225.2941, 0.3408,
0.3111

 2.1130, 0.4414,
0.2497

272.7266, 0.3391,

 0.6719, 0.4971,

0.3122

0.2150

326.3890, 0.3375,
0.3131

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9999, 0.3589,
0.2997

49.9999, 0.3589,
0.2997

41.3561, 0.3805,
0.2902

60.3768, 0.3410,
0.3094

34.3432, 0.4061,
0.2815

72.5679, 0.3262,
0.3189

28.8588, 0.4356,
0.2747

86.6573, 0.3142,
0.3278

24.7861, 0.4681,
0.2709

97.6140, 0.3047,
0.3290

■ 21.9911, 0.5020,
0.2716

■ 20.3132, 0.5346,
0.2774

■ 19.5462, 0.5598,
0.2858

Harmonies

Analogous

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



49.9999, 0.3153, 0.2736



49.9999, 0.3589, 0.2997



49.9999, 0.3906, 0.3332

Triad

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



49.9999, 0.3589, 0.2997



49.9999, 0.3484, 0.4077



49.9999, 0.2328, 0.2815

Complementary

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



49.9999, 0.3589, 0.2997



76.5068, 0.2816, 0.3606

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.



49.9999, 0.2403, 0.3168



49.9999, 0.3589, 0.2997



49.9999, 0.3054, 0.3948

Square

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



49.9999, 0.3589, 0.2997



49.9999, 0.3833, 0.3960



49.9999, 0.2662, 0.3597



49.9999, 0.2446, 0.2621

Rectangle

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



49.9999, 0.3589, 0.2997



49.9999, 0.3994, 0.3567



49.9999, 0.2662, 0.3597



49.9999, 0.2332, 0.2917

Sweetspot

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



50.0022, 0.3589, 0.2997



85.3050, 0.3232, 0.3210



48.0021, 0.2935, 0.2453



17.7860, 0.3250, 0.3197



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.



50.0022, 0.3589, 0.2997



49.5778, 0.3730, 0.2932



52.7341, 0.3811, 0.3404



15.8517, 0.3237, 0.3206



10.5257, 0.5555, 0.2834



0.8939, 0.5191, 0.2633

Inverse Universe

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



50.0022, 0.3589, 0.2997



49.5778, 0.3730, 0.2932



72.1483, 0.2663, 0.3172



15.8517, 0.3237, 0.3206



10.5257, 0.5555, 0.2834



0.8939, 0.5191, 0.2633

Previews

White Background



This preview shows how the Yxy color 49.9999, 0.3589, 0.2997 looks on a white background.

Color Contrast Check

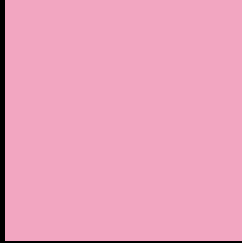
Large Text (above 18pt) WCAG AA × Fail

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 49.9999, 0.3589, 0.2997 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 49.9999, 0.3589, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 49.9999, 0.3589, 0.2997.



This preview shows how white text looks on a background with the Yxy color 49.9999, 0.3589, 0.2997.

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

49.9999, 0.3589, 0.2997

Protanopia

50.4360, 0.2977, 0.3054

Deuteranopia

50.1527, 0.3260, 0.3193



Tritanopia

50.0422, 0.3688, 0.3148

Trichromacy



Original Color

49.9999, 0.3589, 0.2997

Protanomaly

49.5791, 0.3182, 0.3027

Deuteranomaly

49.7177, 0.3373, 0.3115

Tritanomaly

49.8410, 0.3653, 0.3094

Monochromacy



Original Color

49.9999, 0.3589, 0.2997

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.3744, 0.3286, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9999, 0.3589, 0.2997 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, 166, 193)` looks like.

```
.text, #text, p{  
    color:rgb(242, 166, 193)  
}
```

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, 166, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 166, 193) }
```

Border

The CSS property to change the border of an element to Yxy 49.9999, 0.3589, 0.2997 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, 166, 193) }
```

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

```
.border{ border-color:rgb(242, 166, 193) }
```

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

Here you see how a box with a 4 pixel rgb(242, 166, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 166, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 166, 193);  
box-shadow:4px 4px 4px 4px rgb(242, 166,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9999, 0.3589, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 166, 193) }
```

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

```
.background{ background-color: rgb(242,  
166, 193) }
```

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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