

Converting Colors

$Y_{xy}(100.0000, 0.4575, 0.3094)$

Have a look what the booklet for
Yxy(100.0000, 0.4575, 0.3094)
contains.

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Color

Yxy(59.9820, 0.3484, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	FFB7D6
RGB	255, 183, 214
RGB Percent	100%, 72%, 84%
CMY	0.0003, 0.2822, 0.1608
CMYK	0.00, 0.28, 0.16, 0.00
HSL	334°, 100%, 86%
HSV	334°, 28%, 100%
XYZ	70.2917, 59.9820, 71.4821
YIQ	208.0620, 32.9610, 24.9050

Conversions

Conversions Part 2

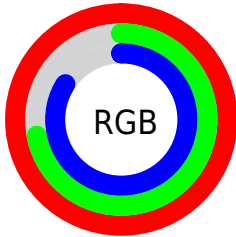
Format	Color
R _Y B	255, 183, 214
Decimal	16758742
CIE Lab	81.83, 30.49, -5.15
CIE LCh	82, 30.918, 350.404
Yxy	59.9820, 0.3484, 0.2973
Android (android.graphics.Color)	4294948822 (0xFFFFB7D6)
YUV	208.0620, 2.9274, 41.1646
Hunter-Lab	77.4480, 26.4722, -0.5091

Details

The Yxy color $59.9820, 0.3484, 0.2973$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.9315, 0.2872, 0.3632$, and the grayscale version is $63.0836, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.2130, 0.3134, 0.3136$, and $30.0740, 0.3576, 0.2896$ is the 20% darker color. If you saturate the color by 10%, you get $49.6916, 0.3663, 0.2856$, and if you desaturate by 10%, it is $72.2487, 0.3335, 0.3090$.

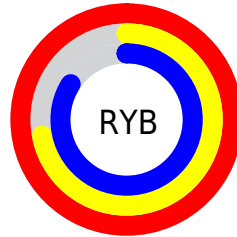
Distribution



Red (100%)

Green (72%)

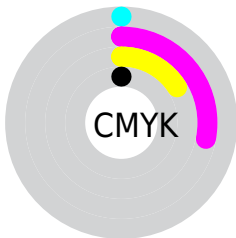
Blue (84%)



Red (100%)

Yellow (72%)

Blue (84%)

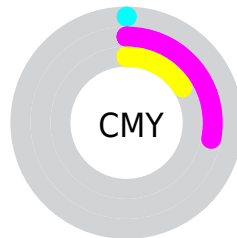


Cyan (0%)

Magenta (28%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9820, 0.3484, 0.2973 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 59.9820, 0.3484, 0.2973 by changing the saturation by 10% instead.


 59.9820, 0.3484,
0.2973

 59.9820, 0.3484,
0.2973

424.5314, 0.3315,
0.3122

 43.4041, 0.3524,
0.2939


 104.8036, 0.3424,
0.3025

 30.2023, 0.3573,
0.2896


133.8160, 0.3402,
0.3045

 19.9922, 0.3637,
0.2842


167.7422, 0.3382,
0.3062

 12.3894, 0.3722,
0.2770


206.9663, 0.3365,
0.3077

 7.0094, 0.3840,
0.2671

251.8730, 0.3350,
0.3090

 3.4680, 0.4016,
0.2527

302.8464, 0.3337,

 1.3807, 0.4307,

0.3102

0.2297

360.2711, 0.3325,
0.3112

0.2024, 0.5456,
0.1175

0.0000, 0.0000,
0.0000

59.9820, 0.3484,
0.2973

59.9820, 0.3484,
0.2973

49.6916, 0.3663,
0.2856

72.2487, 0.3335,
0.3090

41.2647, 0.3875,
0.2746

86.5802, 0.3212,
0.3202

34.5896, 0.4120,
0.2653

99.9877, 0.3127,
0.3290

29.5393, 0.4393,
0.2587

■ 25.9693, 0.4685,
0.2564

■ 23.7091, 0.4977,
0.2593

■ 22.5249, 0.5252,
0.2676

■ 22.3679, 0.5299,
0.2693

Harmonies

Analogous

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



59.9820, 0.3081, 0.2749



59.9820, 0.3484, 0.2973



59.9820, 0.3800, 0.3275

Triad

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



59.9820, 0.3484, 0.2973



59.9820, 0.3521, 0.4003



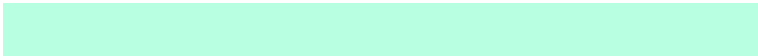
59.9820, 0.2392, 0.2905

Complementary

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



59.9820, 0.3484, 0.2973



86.9315, 0.2872, 0.3632

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.



59.9820, 0.2493, 0.3248



59.9820, 0.3484, 0.2973



59.9820, 0.3133, 0.3924

Square

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



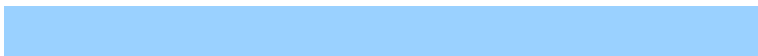
59.9820, 0.3484, 0.2973



59.9820, 0.3814, 0.3869



59.9820, 0.2759, 0.3635



59.9820, 0.2470, 0.2697

Rectangle

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



59.9820, 0.3484, 0.2973



59.9820, 0.3907, 0.3492



59.9820, 0.2759, 0.3635



59.9820, 0.2406, 0.3008

Sweetspot

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



59.9847, 0.3484, 0.2973



86.9420, 0.3209, 0.3205



56.9106, 0.2923, 0.2533



18.1169, 0.3226, 0.3188



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.



59.9847, 0.3484, 0.2973



53.8140, 0.3584, 0.2905



60.5625, 0.3737, 0.3342



18.1169, 0.3226, 0.3188



11.7230, 0.5258, 0.2670



1.1628, 0.4969, 0.2511

Inverse Universe

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



59.9847, 0.3484, 0.2973



53.8140, 0.3584, 0.2905



85.7472, 0.2711, 0.3237



18.1169, 0.3226, 0.3188



11.7230, 0.5258, 0.2670



1.1628, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 59.9820, 0.3484, 0.2973 looks on a white background.

Color Contrast Check

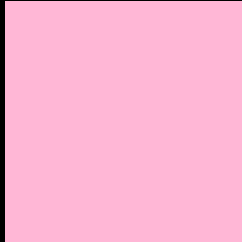
Large Text (above 18pt) WCAG AA × Fail

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 59.9820, 0.3484, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

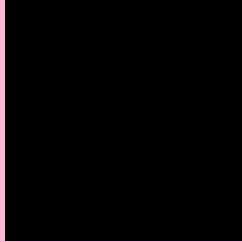
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9820, 0.3484, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 59.9820, 0.3484, 0.2973.



This preview shows how white text looks on a background with the Yxy color 59.9820, 0.3484, 0.2973.

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

59.9820, 0.3484, 0.2973

Protanopia

60.1496, 0.2954, 0.3014

Deuteranopia

60.3070, 0.3205, 0.3144



Tritanopia

59.7507, 0.3582, 0.3135

Trichromacy



Original Color

59.9820, 0.3484, 0.2973



Protanomaly

59.6763, 0.3133, 0.2991



Deuteranomaly

60.2170, 0.3306, 0.3084



Tritanomaly

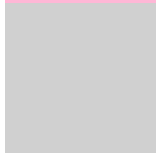
59.7596, 0.3550, 0.3073

Monochromacy



Original Color

59.9820, 0.3484, 0.2973



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

61.5075, 0.3251, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9820, 0.3484, 0.2973 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(255, 183, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 214)  
}
```

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(255, 183, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 214) }
```

Border

The CSS property to change the border of an element to Yxy 59.9820, 0.3484, 0.2973 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(255, 183, 214) }
```

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

```
.border{ border-color:rgb(255, 183, 214) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9820, 0.3484, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 214) }
```

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

```
.background{ background-color: rgb(255,  
183, 214) }
```

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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