

Converting Colors

$Y_{xy}(58.9579, 0.3450, 0.2894)$

Have a look what the booklet for
Yxy(58.9579, 0.3450, 0.2894)
contains.

Yxy(59.0170, 0.3447, 0.2892)	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(59.0170, 0.3447, 0.2892)

Conversions

Conversions Part 1

Format	Color
Hex	FFB4DB
RGB	255, 180, 219
RGB Percent	100%, 71%, 86%
CMY	0.0001, 0.2941, 0.1411
CMYK	0.00, 0.29, 0.14, 0.00
HSL	329°, 100%, 85%
HSV	329°, 29%, 100%
XYZ	70.3429, 59.0170, 74.7100
YIQ	206.8710, 32.1810, 28.0290

Conversions

Conversions Part 2

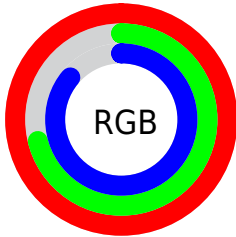
Format	Color
R _Y B	255, 180, 219
Decimal	16757979
CIE Lab	81.30, 32.87, -8.64
CIE LCh	81, 33.986, 345.270
Yxy	59.0170, 0.3447, 0.2892
Android (android.graphics.Color)	4294948059 (0xFFFFB4DB)
YUV	206.8710, 5.9796, 42.2091
Hunter-Lab	76.8225, 29.0049, -3.8838

Details

The Yxy color $59.0170, 0.3447, 0.2892$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.1689, 0.2897, 0.3727$, and the grayscale version is $62.2565, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $29.4724, 0.3525, 0.2793$ is the 20% darker color. If you saturate the color by 10%, you get $49.0325, 0.3599, 0.2753$, and if you desaturate by 10%, it is $70.9479, 0.3318, 0.3032$.

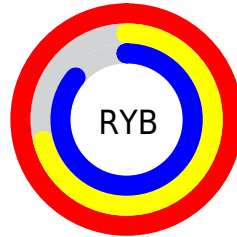
Distribution



Red (100%)

Green (71%)

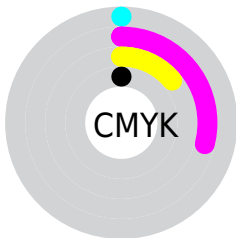
Blue (86%)



Red (100%)

Yellow (71%)

Blue (86%)

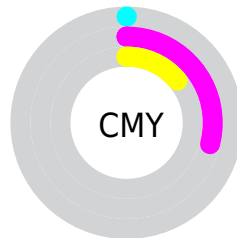


Cyan (0%)

Magenta (29%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0170, 0.3447, 0.2892 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 59.0170, 0.3447, 0.2892 by changing the saturation by 10% instead.

 59.0170, 0.3447,
0.2892

 59.0170, 0.3447,
0.2892


420.9649, 0.3297,
0.3077

 42.6268, 0.3482,
0.2850


 103.4024, 0.3394,
0.2956

 29.5924, 0.3526,
0.2797


132.1663, 0.3374,
0.2981

 19.5294, 0.3581,
0.2731


165.8237, 0.3356,
0.3003

 12.0534, 0.3655,
0.2643

204.7588, 0.3341,
0.3021

 6.7801, 0.3757,
0.2525

249.3561, 0.3328,
0.3038

 3.3250, 0.3907,
0.2353

299.9999, 0.3316,

 1.3036, 0.4150,

0.3052

0.2085

357.0747, 0.3306,
0.3065

0.1440, 0.5103,
0.0779

0.0000, 0.0000,
0.0000

59.0170, 0.3447,
0.2892

59.0170, 0.3447,
0.2892

49.0325, 0.3599,
0.2753

70.9479, 0.3318,
0.3032

40.8812, 0.3777,
0.2622

84.9139, 0.3211,
0.3168

34.4509, 0.3979,
0.2510

99.9961, 0.3127,
0.3290

29.6134, 0.4201,
0.2429

■ 26.2226, 0.4437,
0.2392

■ 24.1045, 0.4673,
0.2408

■ 22.9933, 0.4900,
0.2476

■ 22.9398, 0.4914,
0.2481

Harmonies

Analogous

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



59.0170, 0.2999, 0.2668



59.0170, 0.3447, 0.2892



59.0170, 0.3824, 0.3210

Triad

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



59.0170, 0.3447, 0.2892



59.0170, 0.3625, 0.4068



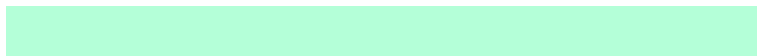
59.0170, 0.2326, 0.2918

Complementary

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



59.0170, 0.3447, 0.2892



86.1689, 0.2897, 0.3727

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.



59.0170, 0.2468, 0.3314



59.0170, 0.3447, 0.2892



59.0170, 0.3205, 0.4029

Square

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



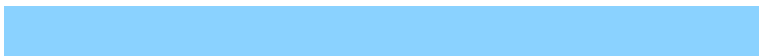
59.0170, 0.3447, 0.2892



59.0170, 0.3922, 0.3881



59.0170, 0.2783, 0.3741



59.0170, 0.2378, 0.2663

Rectangle

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



59.0170, 0.3447, 0.2892



59.0170, 0.3970, 0.3446



59.0170, 0.2783, 0.3741



59.0170, 0.2352, 0.3038

Sweetspot

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



59.0197, 0.3447, 0.2892



85.5324, 0.3207, 0.3174



54.3139, 0.2856, 0.2486



17.8419, 0.3222, 0.3154



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.



59.0197, 0.3447, 0.2892



53.2042, 0.3529, 0.2814



57.3032, 0.3764, 0.3266



18.1449, 0.3212, 0.3167



12.0191, 0.4878, 0.2461



1.1924, 0.4636, 0.2327

Inverse Universe

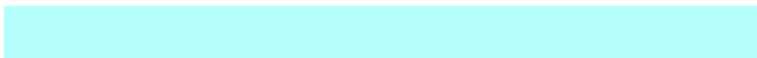
The Inverse Universe completely reimagines the original color for something new.



59.0197, 0.3447, 0.2892



53.2042, 0.3529, 0.2814



88.2708, 0.2713, 0.3316



18.1449, 0.3212, 0.3167



12.0191, 0.4878, 0.2461



1.1924, 0.4636, 0.2327

Previews

White Background



This preview shows how the Yxy color 59.0170, 0.3447, 0.2892 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 59.0170, 0.3447, 0.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

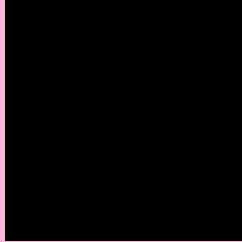
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0170, 0.3447, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 59.0170, 0.3447, 0.2892.



This preview shows how white text looks on a background with the Yxy color 59.0170, 0.3447, 0.2892.

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

59.0170, 0.3447, 0.2892

Protanopia

59.4698, 0.2885, 0.2934

Deuteranopia

59.0367, 0.3138, 0.3064



Tritanopia

59.0536, 0.3593, 0.3144

Trichromacy



Original Color

59.0170, 0.3447, 0.2892



Protanomaly

58.5914, 0.3075, 0.2913



Deuteranomaly

58.6597, 0.3246, 0.2995



Tritanomaly

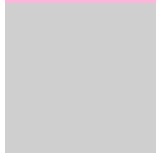
59.2059, 0.3535, 0.3052

Monochromacy



Original Color

59.0170, 0.3447, 0.2892



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.4829, 0.3237, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0170, 0.3447, 0.2892 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, 180, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 219)  
}
```

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, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 219) }
```

Border

The CSS property to change the border of an element to Yxy 59.0170, 0.3447, 0.2892 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, 180, 219) }
```

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

```
.border{ border-color:rgb(255, 180, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
219) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 59.0170, 0.3447, 0.2892$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 219) }
```

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

```
.background{ background-color: rgb(255,  
180, 219) }
```

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