

Converting Colors

$Y_{xy}(58.1956, 0.3485, 0.2918)$

Have a look what the booklet for
Yxy(58.1956, 0.3485, 0.2918)
contains.

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Color

Yxy(58.0071, 0.3484, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2D7
RGB	255, 178, 215
RGB Percent	100%, 70%, 84%
CMY	0.0000, 0.3019, 0.1568
CMYK	0.00, 0.30, 0.16, 0.00
HSL	331°, 100%, 85%
HSV	331°, 30%, 100%
XYZ	69.4252, 58.0071, 71.8363
YIQ	205.2410, 34.0150, 27.8310

Conversions

Conversions Part 2

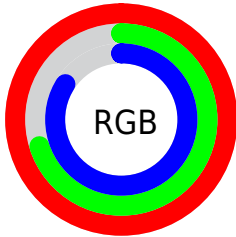
Format	Color
R_{YB}	255, 178, 215
Decimal	16757463
CIE _{Lab}	80.74, 33.30, -7.31
CIE _{LCh}	81, 34.093, 347.614
Yxy	58.0071, 0.3484, 0.2911
Android (android.graphics.Color)	4294947543 (0xFFFFB2D7)
YUV	205.2410, 4.8112, 43.6386
Hunter-Lab	76.1624, 29.4260, -2.6086

Details

The Yxy color **58.0071, 0.3484, 0.2911** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.0423, 0.2875, 0.3705**, and the grayscale version is **61.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **28.8237, 0.3576, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **48.1342, 0.3652, 0.2782**, and if you desaturate by 10%, it is **69.8263, 0.3343, 0.3041**.

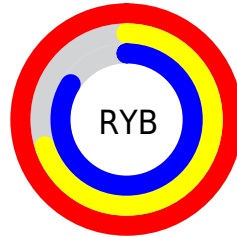
Distribution



Red (100%)

Green (70%)

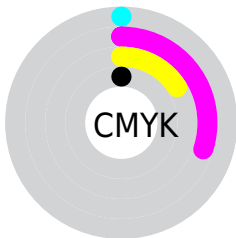
Blue (84%)



Red (100%)

Yellow (70%)

Blue (84%)

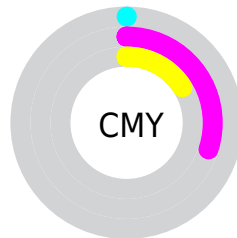


Cyan (0%)

Magenta (30%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0071, 0.3484, 0.2911 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 58.0071, 0.3484, 0.2911 by changing the saturation by 10% instead.


 58.0071, 0.3484,
0.2911

 58.0071, 0.3484,
0.2911

417.2124, 0.3315,
0.3088

 41.8144, 0.3524,
0.2870


 101.9332, 0.3424,
0.2973

 28.9560, 0.3573,
0.2819


130.4353, 0.3402,
0.2997

 19.0475, 0.3637,
0.2755


163.8094, 0.3382,
0.3017

 11.7046, 0.3722,
0.2670

202.4398, 0.3365,
0.3035

 6.5429, 0.3840,
0.2553

246.7109, 0.3350,
0.3051

 3.1779, 0.4015,
0.2383


297.0071, 0.3337,

 1.2253, 0.4304,


0.3065


0.2115


353.7128, 0.3325,
0.3077

 0.0822, 0.5664,
0.0522


 0.0000, 0.0000,
0.0000


 58.0071, 0.3484,
0.2911

 58.0071, 0.3484,
0.2911

 48.1342, 0.3652,
0.2782


 69.8263, 0.3343,
0.3041

 40.0937, 0.3848,
0.2662

 83.6817, 0.3226,
0.3168

 33.7719, 0.4073,
0.2561

99.6672, 0.3129,
0.3288

 29.0393, 0.4320,
0.2492

99.9985, 0.3127,
0.3290

■ 25.7475, 0.4581,
0.2467

■ 23.7196, 0.4842,
0.2497

■ 22.6780, 0.5085,
0.2575

Harmonies

Analogous

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



58.0071, 0.3033, 0.2676



58.0071, 0.3484, 0.2911



58.0071, 0.3853, 0.3237

Triad

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



58.0071, 0.3484, 0.2911



58.0071, 0.3599, 0.4082



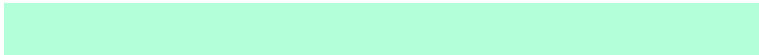
58.0071, 0.2316, 0.2889

Complementary

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



58.0071, 0.3484, 0.2911



86.0423, 0.2875, 0.3705

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.



58.0071, 0.2444, 0.3280



58.0071, 0.3484, 0.2911



58.0071, 0.3171, 0.4022

Square

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



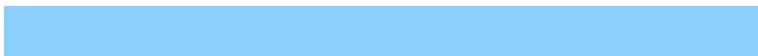
58.0071, 0.3484, 0.2911



58.0071, 0.3912, 0.3907



58.0071, 0.2750, 0.3714



58.0071, 0.2384, 0.2645

Rectangle

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



58.0071, 0.3484, 0.2911



58.0071, 0.3987, 0.3475



58.0071, 0.2750, 0.3714



58.0071, 0.2337, 0.3006

Sweetspot

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



58.0098, 0.3484, 0.2911



85.4774, 0.3213, 0.3182



53.9358, 0.2876, 0.2469



17.8284, 0.3228, 0.3165



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.



58.0098, 0.3484, 0.2911



52.0465, 0.3578, 0.2836



56.8304, 0.3807, 0.3306



18.1325, 0.3218, 0.3176



11.8804, 0.5046, 0.2554



1.1787, 0.4782, 0.2408

Inverse Universe

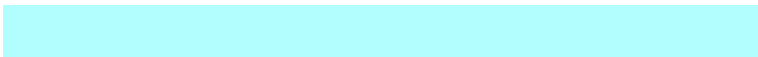
The Inverse Universe completely reimagines the original color for something new.



58.0098, 0.3484, 0.2911



52.0465, 0.3578, 0.2836



87.3847, 0.2689, 0.3275



18.1325, 0.3218, 0.3176



11.8804, 0.5046, 0.2554



1.1787, 0.4782, 0.2408

Previews

White Background



This preview shows how the Yxy color 58.0071, 0.3484, 0.2911 looks on a white background.

Color Contrast Check

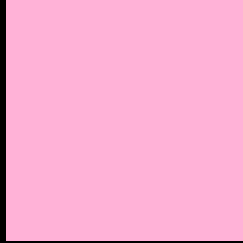
Large Text (above 18pt) WCAG AA × Fail

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 58.0071, 0.3484, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

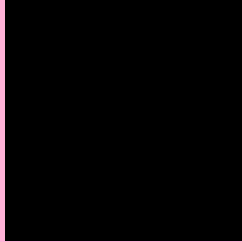
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0071, 0.3484, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 58.0071, 0.3484, 0.2911.



This preview shows how white text looks on a background with the Yxy color 58.0071, 0.3484, 0.2911.

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

58.0071, 0.3484, 0.2911

Protanopia

58.1840, 0.2903, 0.2954

Deuteranopia

58.2308, 0.3160, 0.3097



Tritanopia

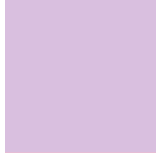
57.8705, 0.3634, 0.3145

Trichromacy



Original Color

58.0071, 0.3484, 0.2911



Protanomaly

57.3410, 0.3096, 0.2932



Deuteranomaly

58.0223, 0.3278, 0.3027



Tritanomaly

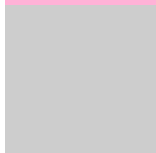
57.9776, 0.3584, 0.3062

Monochromacy



Original Color

58.0071, 0.3484, 0.2911



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

59.3216, 0.3246, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0071, 0.3484, 0.2911 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, 178, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 215)  
}
```

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, 178, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 215) }
```

Border

The CSS property to change the border of an element to Yxy 58.0071, 0.3484, 0.2911 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, 178, 215) }
```

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

```
.border{ border-color:rgb(255, 178, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0071, 0.3484, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 215) }
```

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

```
.background{ background-color: rgb(255,  
178, 215) }
```

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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