

Converting Colors

$Y_{xy}(100.0000, 0.4482, 0.2960)$

Have a look what the booklet for
Yxy(100.0000, 0.4482, 0.2960)
contains.

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Color

Yxy(58.8140, 0.3359, 0.2765)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E6
RGB	255, 178, 230
RGB Percent	100%, 70%, 90%
CMY	0.0000, 0.3020, 0.0981
CMYK	0.00, 0.30, 0.10, 0.00
HSL	319°, 100%, 85%
HSV	319°, 30%, 100%
XYZ	71.4489, 58.8140, 82.4460
YIQ	206.9510, 29.2000, 32.4960

Conversions

Conversions Part 2

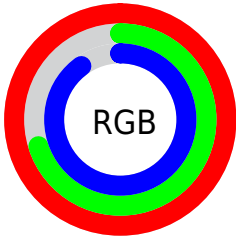
Format	Color
R _Y B	255, 178, 230
Decimal	16757478
CIE Lab	81.19, 35.71, -14.72
CIE LCh	81, 38.625, 337.592
Yxy	58.8140, 0.3359, 0.2765
Android (android.graphics.Color)	4294947558 (0xFFFFB2E6)
YUV	206.9510, 11.3632, 42.1390
Hunter-Lab	76.6903, 32.0925, -10.0566

Details

The Yxy color $58.8140, 0.3359, 0.2765$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $85.2963, 0.2953, 0.3882$, and the grayscale version is $62.2723, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $29.3416, 0.3414, 0.2645$ is the 20% darker color. If you saturate the color by 10%, you get $49.1366, 0.3462, 0.2589$, and if you desaturate by 10%, it is $70.3959, 0.3269, 0.2944$.

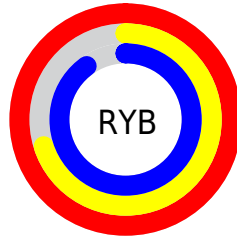
Distribution



Red (100%)

Green (70%)

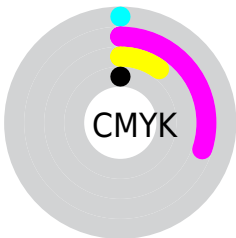
Blue (90%)



Red (100%)

Yellow (70%)

Blue (90%)

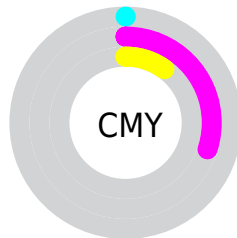


Cyan (0%)

Magenta (30%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8140, 0.3359, 0.2765 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 58.8140, 0.3359, 0.2765 by changing the saturation by 10% instead.

 58.8140, 0.3359,
0.2765

 58.8140, 0.3359,
0.2765


420.2123, 0.3253,
0.3006

 42.4634, 0.3383,
0.2711


 103.1073, 0.3323,
0.2848

 29.4643, 0.3412,
0.2644


131.8188, 0.3308,
0.2880

 19.4324, 0.3449,
0.2560


165.4193, 0.3296,
0.2908

 11.9831, 0.3496,
0.2451

204.2934, 0.3285,
0.2933

 6.7322, 0.3560,
0.2305

248.8253, 0.3276,
0.2954

 3.2952, 0.3649,
0.2100


299.3995, 0.3267,


 1.2877, 0.3782,


0.2973


0.1792

356.4004, 0.3260,
0.2990


 0.1317, 0.4327,
0.0566


 0.0000, 0.0000,
0.0000


 58.8140, 0.3359,
0.2765


 58.8140, 0.3359,
0.2765

 49.1366, 0.3462,
0.2589


 70.3959, 0.3269,
0.2944

 41.2640, 0.3579,
0.2425

 83.9845, 0.3193,
0.3119

 35.0793, 0.3708,
0.2283

99.6684, 0.3128,
0.3287

 30.4539, 0.3846,
0.2173

100.0000, 0.3127,
0.3290

■ 27.2405, 0.3988,
0.2108

■ 25.2633, 0.4130,
0.2093

■ 24.2463, 0.4265,
0.2123

Harmonies

Analogous

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



58.8140, 0.2856, 0.2550



58.8140, 0.3359, 0.2765



58.8140, 0.3828, 0.3098

Triad

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



58.8140, 0.3359, 0.2765



58.8140, 0.3792, 0.4139



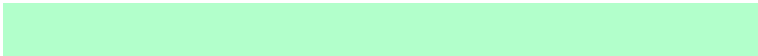
58.8140, 0.2244, 0.2965

Complementary

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



58.8140, 0.3359, 0.2765



85.2963, 0.2953, 0.3882

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.



58.8140, 0.2455, 0.3443



58.8140, 0.3359, 0.2765



58.8140, 0.3338, 0.4178

Square

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



58.8140, 0.3359, 0.2765



58.8140, 0.4079, 0.3869



58.8140, 0.2849, 0.3916



58.8140, 0.2248, 0.2633

Rectangle

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



58.8140, 0.3359, 0.2765



58.8140, 0.4038, 0.3357



58.8140, 0.2849, 0.3916



58.8140, 0.2291, 0.3113

Sweetspot

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



58.8122, 0.3359, 0.2765



85.7507, 0.3185, 0.3139



51.6690, 0.2761, 0.2442



17.8957, 0.3195, 0.3114



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.



58.8122, 0.3359, 0.2765



52.9722, 0.3417, 0.2662



56.9101, 0.3684, 0.3144



18.1941, 0.3188, 0.3131



12.6978, 0.4243, 0.2111



1.2564, 0.4095, 0.2030

Inverse Universe

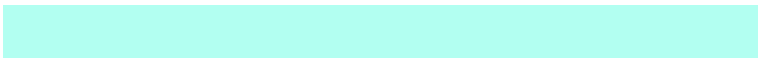
The Inverse Universe completely reimagines the original color for something new.



58.8122, 0.3359, 0.2765



52.9722, 0.3417, 0.2662



87.3284, 0.2759, 0.3444



18.1941, 0.3188, 0.3131



12.6978, 0.4243, 0.2111



1.2564, 0.4095, 0.2030

Previews

White Background



This preview shows how the Yxy color 58.8140, 0.3359, 0.2765 looks on a white background.

Color Contrast Check

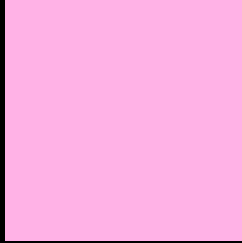
Large Text (above 18pt) WCAG AA × Fail

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 58.8140, 0.3359, 0.2765 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 58.8140, 0.3359, 0.2765

Background



This preview shows how black text looks on a background with the Yxy color 58.8140, 0.3359, 0.2765.

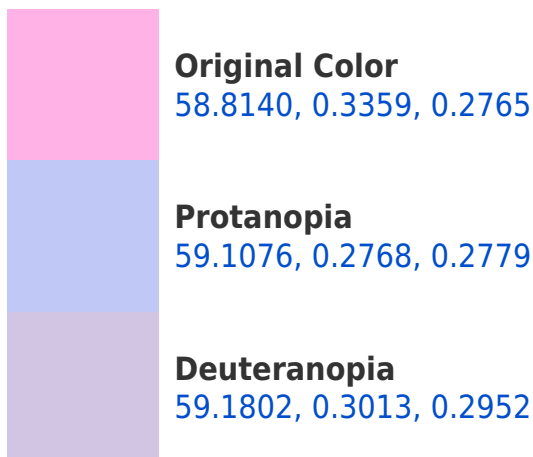


This preview shows how white text looks on a background with the Yxy color 58.8140, 0.3359, 0.2765.

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





Tritanopia

58.8674, 0.3585, 0.3144

Trichromacy



Original Color

58.8140, 0.3359, 0.2765



Protanomaly

58.4376, 0.2961, 0.2764



Deuteranomaly

58.5971, 0.3131, 0.2876



Tritanomaly

58.8045, 0.3495, 0.3000

Monochromacy



Original Color

58.8140, 0.3359, 0.2765



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.2334, 0.3208, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8140, 0.3359, 0.2765 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 230) }
```

Border

The CSS property to change the border of an element to Yxy 58.8140, 0.3359, 0.2765 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, 230) }
```

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

```
.border{ border-color:rgb(255, 178, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8140, 0.3359, 0.2765 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
178, 230) }
```

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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