

Converting Colors

$Y_{xy}(62.0078, 0.3528, 0.2832)$

Have a look what the booklet for
Yxy(62.0078, 0.3528, 0.2832)
contains.

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Color

Yxy(58.5918, 0.3392, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E2
RGB	255, 178, 226
RGB Percent	100%, 70%, 89%
CMY	0.0000, 0.3020, 0.1137
CMYK	0.00, 0.30, 0.11, 0.00
HSL	323°, 100%, 85%
HSV	323°, 30%, 100%
XYZ	70.9038, 58.5918, 79.5369
YIQ	206.4950, 30.4840, 31.2520

Conversions

Conversions Part 2

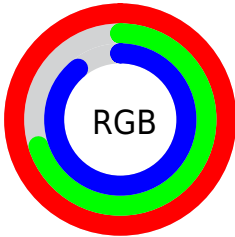
Format	Color
RYB	255, 178, 226
Decimal	16757474
CIELab	81.07, 35.08, -12.77
CIELCh	81, 37.328, 340.003
Yxy	58.5918, 0.3392, 0.2803
Android (android.graphics.Color)	4294947554 (0xFFFFB2E2)
YUV	206.4950, 9.6160, 42.5389
Hunter-Lab	76.5453, 31.3901, -8.0255

Details

The Yxy color **58.5918, 0.3392, 0.2803** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.4856, 0.2933, 0.3835**, and the grayscale version is **61.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.2259, 0.3448, 0.2681** is the 20% darker color. If you saturate the color by 10%, you get **48.8522, 0.3511, 0.2639**, and if you desaturate by 10%, it is **70.2323, 0.3289, 0.2969**.

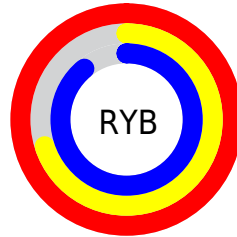
Distribution



Red (100%)

Green (70%)

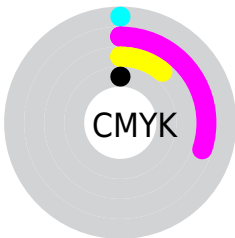
Blue (89%)



Red (100%)

Yellow (70%)

Blue (89%)

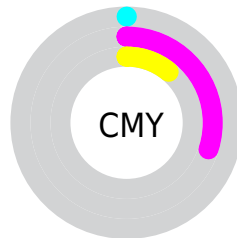


Cyan (0%)

Magenta (30%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5918, 0.3392, 0.2803 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 58.5918, 0.3392, 0.2803 by changing the saturation by 10% instead.

 58.5918, 0.3392,
0.2803

 58.5918, 0.3392,
0.2803


419.3875, 0.3269,
0.3027

 42.2846, 0.3420,
0.2752


 102.7842, 0.3349,
0.2881

 29.3242, 0.3455,
0.2689


131.4381, 0.3333,
0.2911

 19.3262, 0.3498,
0.2610


164.9764, 0.3319,
0.2937

 11.9062, 0.3555,
0.2508

203.7835, 0.3306,
0.2960

 6.6799, 0.3633,
0.2369

248.2438, 0.3295,
0.2980

 3.2627, 0.3744,
0.2172

298.7416, 0.3286,

 1.2704, 0.3916,

0.2997

0.1873

355.6614, 0.3277,
0.3013

0.1181, 0.4609,
0.0558

0.0000, 0.0000,
0.0000

58.5918, 0.3392,
0.2803

58.5918, 0.3392,
0.2803

48.8522, 0.3511,
0.2639

70.2323, 0.3289,
0.2969

40.9300, 0.3648,
0.2486

83.8925, 0.3202,
0.3132

34.7027, 0.3801,
0.2353

99.6556, 0.3129,
0.3287

30.0413, 0.3966,
0.2254

100.0000, 0.3127,
0.3290

■ 26.7985, 0.4138,
0.2198

■ 24.7983, 0.4310,
0.2195

■ 23.7650, 0.4474,
0.2238

Harmonies

Analogous

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



58.5918, 0.2902, 0.2583



58.5918, 0.3392, 0.2803



58.5918, 0.3835, 0.3134

Triad

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



58.5918, 0.3392, 0.2803



58.5918, 0.3741, 0.4125



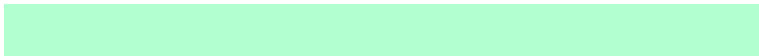
58.5918, 0.2263, 0.2945

Complementary

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



58.5918, 0.3392, 0.2803



85.4856, 0.2933, 0.3835

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.



58.5918, 0.2452, 0.3399



58.5918, 0.3392, 0.2803



58.5918, 0.3294, 0.4138

Square

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



58.5918, 0.3392, 0.2803



58.5918, 0.4035, 0.3879



58.5918, 0.2823, 0.3862



58.5918, 0.2283, 0.2636

Rectangle

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



58.5918, 0.3392, 0.2803



58.5918, 0.4025, 0.3388



58.5918, 0.2823, 0.3862



58.5918, 0.2303, 0.3084

Sweetspot

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



58.5846, 0.3392, 0.2803



85.6776, 0.3192, 0.3151



52.2059, 0.2789, 0.2448



17.8777, 0.3204, 0.3128



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.



58.5846, 0.3392, 0.2803



52.7171, 0.3459, 0.2707



56.7341, 0.3719, 0.3184



18.1777, 0.3196, 0.3143



12.4476, 0.4447, 0.2224



1.2332, 0.4268, 0.2125

Inverse Universe

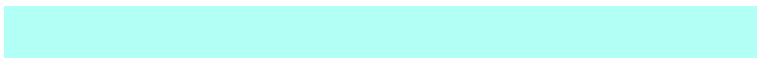
The Inverse Universe completely reimagines the original color for something new.



58.5846, 0.3392, 0.2803



52.7171, 0.3459, 0.2707



87.5586, 0.2740, 0.3401



18.1777, 0.3196, 0.3143



12.4476, 0.4447, 0.2224



1.2332, 0.4268, 0.2125

Previews

White Background



This preview shows how the Yxy color 58.5918, 0.3392, 0.2803 looks on a white background.

Color Contrast Check

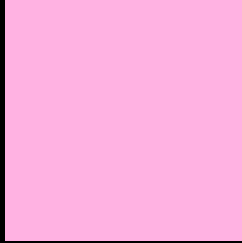
Large Text (above 18pt) WCAG AA × Fail

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 58.5918, 0.3392, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

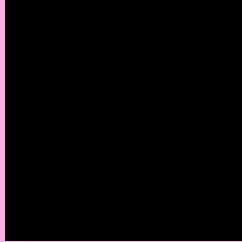
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5918, 0.3392, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 58.5918, 0.3392, 0.2803.



This preview shows how white text looks on a background with the Yxy color 58.5918, 0.3392, 0.2803.

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

58.5918, 0.3392, 0.2803

Protanopia

58.9373, 0.2806, 0.2833

Deuteranopia

58.8046, 0.3056, 0.2985



Tritanopia

58.4074, 0.3595, 0.3144

Trichromacy



Original Color

58.5918, 0.3392, 0.2803



Protanomaly

58.2964, 0.3003, 0.2816



Deuteranomaly

58.2710, 0.3177, 0.2909



Tritanomaly

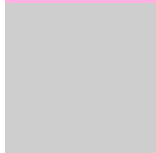
58.2973, 0.3514, 0.3010

Monochromacy



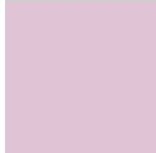
Original Color

58.5918, 0.3392, 0.2803



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.1312, 0.3223, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5918, 0.3392, 0.2803 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 226) }
```

Border

The CSS property to change the border of an element to Yxy 58.5918, 0.3392, 0.2803 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, 226) }
```

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

```
.border{ border-color:rgb(255, 178, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5918, 0.3392, 0.2803 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
178, 226) }
```

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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