

Converting Colors

$Y_{xy}(82.2963, 0.4192, 0.2954)$

Have a look what the booklet for
Yxy(82.2963, 0.4192, 0.2954)
contains.

Yxy(58.4285, 0.3417, 0.2832)	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(58.4285, 0.3417, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2DF
RGB	255, 178, 223
RGB Percent	100%, 70%, 87%
CMY	0.0000, 0.3021, 0.1254
CMYK	0.00, 0.30, 0.13, 0.00
HSL	325°, 100%, 85%
HSV	325°, 30%, 100%
XYZ	70.4979, 58.4285, 77.3889
YIQ	206.1530, 31.4470, 30.3190

Conversions

Conversions Part 2

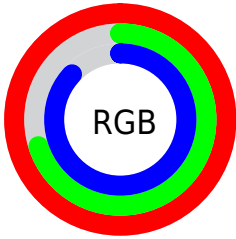
Format	Color
R_{YB}	255, 178, 223
Decimal	16757471
CIE _{Lab}	80.98, 34.60, -11.28
CIE _{LCh}	81, 36.393, 341.936
Yxy	58.4285, 0.3417, 0.2832
Android (android.graphics.Color)	4294947551 (0xFFFFB2DF)
YUV	206.1530, 8.3056, 42.8388
Hunter-Lab	76.4385, 30.8600, -6.5202

Details

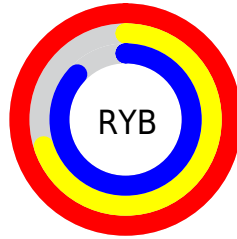
The Yxy color **58.4285, 0.3417, 0.2832** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.6329, 0.2917, 0.3799**, and the grayscale version is **61.7461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.1128, 0.3482, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **48.6465, 0.3549, 0.2677**, and if you desaturate by 10%, it is **70.1147, 0.3303, 0.2989**.

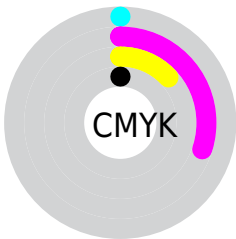
Distribution



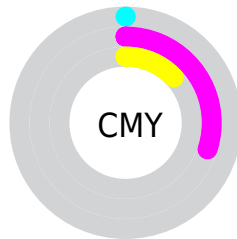
- Red (100%)
- Green (70%)
- Blue (87%)



- Red (100%)
- Yellow (70%)
- Blue (87%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4285, 0.3417, 0.2832 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 58.4285, 0.3417, 0.2832 by changing the saturation by 10% instead.


 58.4285, 0.3417,
0.2832

 58.4285, 0.3417,
0.2832


418.7807, 0.3282,
0.3044

 42.1532, 0.3448,
0.2784


 102.5466, 0.3370,
0.2905

 29.2213, 0.3487,
0.2724


131.1582, 0.3352,
0.2934

 19.2483, 0.3536,
0.2649


164.6507, 0.3336,
0.2959

 11.8498, 0.3600,
0.2551

203.4085, 0.3322,
0.2980

 6.6415, 0.3689,
0.2418

247.8161, 0.3310,
0.2999

 3.2389, 0.3817,
0.2228


298.2577, 0.3300,

 1.2577, 0.4020,


0.3016


0.1936


355.1178, 0.3290,
0.3030


 0.1081, 0.4840,
0.0550

 0.0000, 0.0000,
0.0000

 58.4285, 0.3417,
0.2832


 58.4285, 0.3417,
0.2832

 48.6465, 0.3549,
0.2677


 70.1147, 0.3303,
0.2989

 40.6894, 0.3702,
0.2533

 83.8285, 0.3208,
0.3141

 34.4330, 0.3873,
0.2408

99.6516, 0.3129,
0.3287

 29.7483, 0.4060,
0.2317

100.0000, 0.3127,
0.3290

■ 26.4877, 0.4255,
0.2269

■ 24.4748, 0.4451,
0.2275

■ 23.4342, 0.4637,
0.2328

Harmonies

Analogous

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



58.4285, 0.2937, 0.2608



58.4285, 0.3417, 0.2832



58.4285, 0.3840, 0.3162

Triad

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



58.4285, 0.3417, 0.2832



58.4285, 0.3703, 0.4114



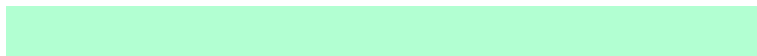
58.4285, 0.2277, 0.2929

Complementary

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



58.4285, 0.3417, 0.2832



85.6329, 0.2917, 0.3799

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.



58.4285, 0.2450, 0.3367



58.4285, 0.3417, 0.2832



58.4285, 0.3261, 0.4107

Square

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



58.4285, 0.3417, 0.2832



58.4285, 0.4002, 0.3887



58.4285, 0.2803, 0.3822



58.4285, 0.2310, 0.2639

Rectangle

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



58.4285, 0.3417, 0.2832



58.4285, 0.4015, 0.3411



58.4285, 0.2803, 0.3822



58.4285, 0.2312, 0.3063

Sweetspot

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



58.4198, 0.3416, 0.2832



85.6228, 0.3198, 0.3159



52.5749, 0.2808, 0.2453



17.8642, 0.3210, 0.3138



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.



58.4198, 0.3416, 0.2832



52.5294, 0.3491, 0.2742



56.6224, 0.3742, 0.3211



18.1653, 0.3202, 0.3152



12.2753, 0.4607, 0.2311



1.2170, 0.4403, 0.2199

Inverse Universe

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



58.4198, 0.3416, 0.2832



52.5294, 0.3491, 0.2742



87.7158, 0.2728, 0.3372



18.1653, 0.3202, 0.3152



12.2753, 0.4607, 0.2311



1.2170, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 58.4285, 0.3417, 0.2832 looks on a white background.

Color Contrast Check

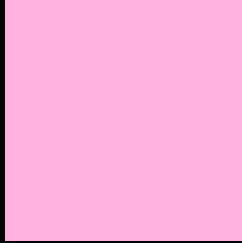
Large Text (above 18pt) WCAG AA × Fail

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 58.4285, 0.3417, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

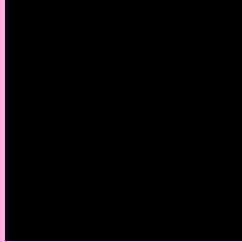
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4285, 0.3417, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 58.4285, 0.3417, 0.2832.



This preview shows how white text looks on a background with the Yxy color 58.4285, 0.3417, 0.2832.

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

58.4285, 0.3417, 0.2832

Protanopia

58.8923, 0.2832, 0.2866

Deuteranopia

58.7933, 0.3085, 0.3018



Tritanopia

58.5936, 0.3604, 0.3144

Trichromacy



Original Color

58.4285, 0.3417, 0.2832



Protanomaly

58.1244, 0.3024, 0.2847



Deuteranomaly

58.1096, 0.3200, 0.2940



Tritanomaly

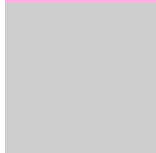
58.3866, 0.3539, 0.3031

Monochromacy



Original Color

58.4285, 0.3417, 0.2832



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.0806, 0.3231, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4285, 0.3417, 0.2832 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 223) }
```

Border

The CSS property to change the border of an element to Yxy 58.4285, 0.3417, 0.2832 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, 223) }
```

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

```
.border{ border-color:rgb(255, 178, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 58.4285, 0.3417, 0.2832$ 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
178, 223) }
```

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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