

Converting Colors

$Yxy(92.2484, 0.4433, 0.3007)$

Have a look what the booklet for
Yxy(92.2484, 0.4433, 0.3007)
contains.

Yxy(58.2681, 0.3442, 0.2862)	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(58.2681, 0.3442, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2DC
RGB	255, 178, 220
RGB Percent	100%, 70%, 86%
CMY	0.0000, 0.3019, 0.1373
CMYK	0.00, 0.30, 0.14, 0.00
HSL	327°, 100%, 85%
HSV	327°, 30%, 100%
XYZ	70.0765, 58.2681, 75.2477
YIQ	205.8110, 32.4100, 29.3860

Conversions

Conversions Part 2

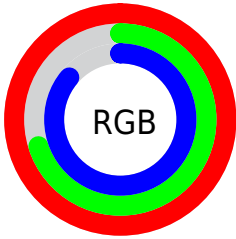
Format	Color
R _Y B	255, 178, 220
Decimal	16757468
CIE Lab	80.89, 34.08, -9.78
CIE LCh	81, 35.453, 343.993
Yxy	58.2681, 0.3442, 0.2862
Android (android.graphics.Color)	4294947548 (0xFFFFB2DC)
YUV	205.8110, 6.9952, 43.1388
Hunter-Lab	76.3335, 30.2846, -5.0131

Details

The Yxy color **58.2681, 0.3442, 0.2862** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.7917, 0.2901, 0.3763**, and the grayscale version is **61.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.0022, 0.3517, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **48.4547, 0.3588, 0.2717**, and if you desaturate by 10%, it is **70.0148, 0.3318, 0.3009**.

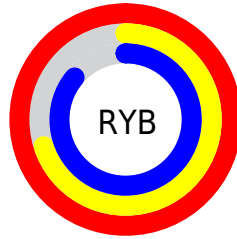
Distribution



Red (100%)

Green (70%)

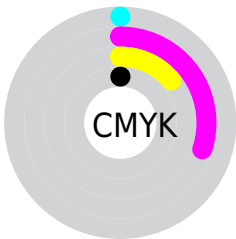
Blue (86%)



Red (100%)

Yellow (70%)

Blue (86%)

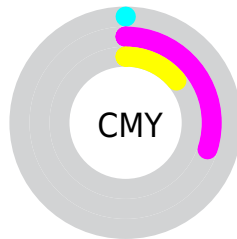


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2681, 0.3442, 0.2862 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 58.2681, 0.3442, 0.2862 by changing the saturation by 10% instead.


 58.2681, 0.3442,
0.2862

 58.2681, 0.3442,
0.2862


418.1842, 0.3294,
0.3061

 42.0242, 0.3476,
0.2817

 102.3132, 0.3390,
0.2931

 29.1203, 0.3519,
0.2760


130.8832, 0.3370,
0.2958

 19.1718, 0.3574,
0.2689


164.3306, 0.3353,
0.2981

 11.7945, 0.3646,
0.2596

203.0400, 0.3338,
0.3001

 6.6039, 0.3745,
0.2469

247.3956, 0.3325,
0.3019

 3.2156, 0.3891,
0.2286


297.7820, 0.3314,


 1.2453, 0.4125,

0.3034


0.2003

354.5833, 0.3303,
0.3048


 0.0983, 0.5108,
0.0541

 0.0000, 0.0000,
0.0000


 58.2681, 0.3442,
0.2862


 58.2681, 0.3442,
0.2862

 48.4547, 0.3588,
0.2717

 70.0148, 0.3318,
0.3009

 40.4621, 0.3757,
0.2581

 83.7853, 0.3215,
0.3152

 34.1769, 0.3948,
0.2466

99.6726, 0.3129,
0.3287

 29.4697, 0.4157,
0.2382

100.0000, 0.3127,
0.3290

■ 26.1929, 0.4377,
0.2344

■ 24.1700, 0.4598,
0.2358

■ 23.1242, 0.4806,
0.2421

Harmonies

Analogous

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



58.2681, 0.2973, 0.2634



58.2681, 0.3442, 0.2862



58.2681, 0.3845, 0.3190

Triad

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



58.2681, 0.3442, 0.2862



58.2681, 0.3663, 0.4101



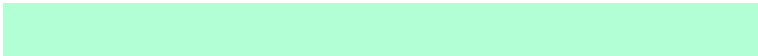
58.2681, 0.2293, 0.2914

Complementary

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



58.2681, 0.3442, 0.2862



85.7917, 0.2901, 0.3763

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.



58.2681, 0.2448, 0.3334



58.2681, 0.3442, 0.2862



58.2681, 0.3227, 0.4074

Square

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



58.2681, 0.3442, 0.2862



58.2681, 0.3967, 0.3894



58.2681, 0.2784, 0.3781



58.2681, 0.2338, 0.2642

Rectangle

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



58.2681, 0.3442, 0.2862



58.2681, 0.4004, 0.3435



58.2681, 0.2784, 0.3781



58.2681, 0.2322, 0.3042

Sweetspot

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



58.2704, 0.3442, 0.2862



85.5671, 0.3204, 0.3168



53.1589, 0.2837, 0.2460



17.8505, 0.3217, 0.3148



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.



58.2704, 0.3442, 0.2862



52.3419, 0.3524, 0.2777



56.4758, 0.3776, 0.3252



18.1528, 0.3208, 0.3161



12.1135, 0.4773, 0.2403



1.2015, 0.4545, 0.2277

Inverse Universe

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



58.2704, 0.3442, 0.2862



52.3419, 0.3524, 0.2777



87.9605, 0.2709, 0.3330



18.1528, 0.3208, 0.3161



12.1135, 0.4773, 0.2403



1.2015, 0.4545, 0.2277

Previews

White Background



This preview shows how the Yxy color 58.2681, 0.3442, 0.2862 looks on a white background.

Color Contrast Check

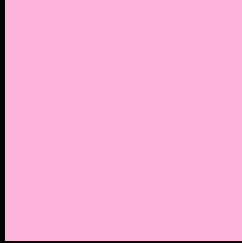
Large Text (above 18pt) WCAG AA × Fail

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 58.2681, 0.3442, 0.2862 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 58.2681, 0.3442, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 58.2681, 0.3442, 0.2862.



This preview shows how white text looks on a background with the Yxy color 58.2681, 0.3442, 0.2862.

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

58.2681, 0.3442, 0.2862

Protanopia

58.8512, 0.2858, 0.2899

Deuteranopia

58.3361, 0.3115, 0.3041



Tritanopia

58.1369, 0.3615, 0.3144

Trichromacy



Original Color

58.2681, 0.3442, 0.2862



Protanomaly

58.1081, 0.3053, 0.2879



Deuteranomaly

58.1152, 0.3231, 0.2973



Tritanomaly

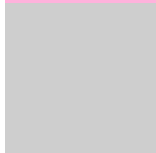
58.3382, 0.3548, 0.3041

Monochromacy



Original Color

58.2681, 0.3442, 0.2862



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.0303, 0.3238, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2681, 0.3442, 0.2862 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 220) }
```

Border

The CSS property to change the border of an element to Yxy 58.2681, 0.3442, 0.2862 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, 220) }
```

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

```
.border{ border-color:rgb(255, 178, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2681, 0.3442, 0.2862 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
178, 220) }
```

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