

Converting Colors

$Yxy(59.2837, 0.3406, 0.2843)$

Have a look what the booklet for
Yxy(59.2837, 0.3406, 0.2843)
contains.

Yxy(59.2843, 0.3406, 0.2843)	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(59.2843, 0.3406, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	FFB4E0
RGB	255, 180, 224
RGB Percent	100%, 71%, 88%
CMY	0.0000, 0.2942, 0.1216
CMYK	0.00, 0.29, 0.12, 0.00
HSL	325°, 100%, 85%
HSV	325°, 29%, 100%
XYZ	71.0244, 59.2843, 78.2186
YIQ	207.4410, 30.5760, 29.5840

Conversions

Conversions Part 2

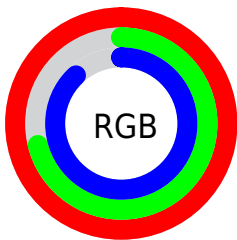
Format	Color
R _Y B	255, 180, 224
Decimal	16757984
CIE Lab	81.45, 33.69, -11.11
CIE LCh	81, 35.476, 341.753
Yxy	59.2843, 0.3406, 0.2843
Android (android.graphics.Color)	4294948064 (0xFFFFB4E0)
YUV	207.4410, 8.1636, 41.7092
Hunter-Lab	76.9963, 29.9118, -6.3338

Details

The Yxy color $59.2843, 0.3406, 0.2843$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $85.9250, 0.2923, 0.3786$, and the grayscale version is $62.6229, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $29.6566, 0.3467, 0.2731$ is the 20% darker color. If you saturate the color by 10%, you get $49.3611, 0.3536, 0.2688$, and if you desaturate by 10%, it is $71.1294, 0.3295, 0.3000$.

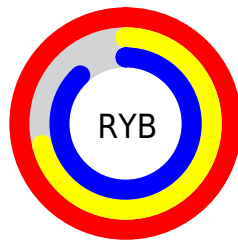
Distribution



Red (100%)

Green (71%)

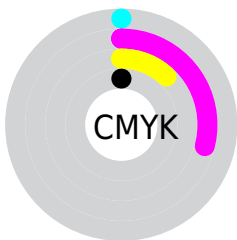
Blue (88%)



Red (100%)

Yellow (71%)

Blue (88%)

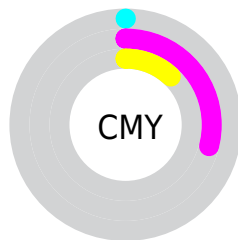


Cyan (0%)

Magenta (29%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2843, 0.3406, 0.2843 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 59.2843, 0.3406, 0.2843 by changing the saturation by 10% instead.


 59.2843, 0.3406,
0.2843

 59.2843, 0.3406,
0.2843

421.9547, 0.3276,
0.3049

 42.8420, 0.3436,
0.2796

 103.7908, 0.3361,
0.2914

 29.7612, 0.3473,
0.2738


132.6237, 0.3343,
0.2942

 19.6574, 0.3520,
0.2665


166.3557, 0.3328,
0.2966

 12.1462, 0.3581,
0.2570

205.3711, 0.3315,
0.2987

 6.8434, 0.3666,
0.2441

250.0543, 0.3304,
0.3006

 3.3643, 0.3788,
0.2257

300.7897, 0.3293,

 1.3248, 0.3979,

0.3022

0.1974

357.9617, 0.3284,
0.3036

0.1603, 0.4691,
0.0766

0.0000, 0.0000,
0.0000

59.2843, 0.3406,
0.2843

59.2843, 0.3406,
0.2843

49.3611, 0.3536,
0.2688

71.1294, 0.3295,
0.3000

41.2661, 0.3686,
0.2541

85.0041, 0.3201,
0.3153

34.8811, 0.3855,
0.2415

100.0000, 0.3127,
0.3290

30.0783, 0.4040,
0.2319

■ 26.7118, 0.4234,
0.2268

■ 24.6083, 0.4429,
0.2269

■ 23.5016, 0.4618,
0.2320

■ 23.4494, 0.4629,
0.2324

Harmonies

Analogous

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



59.2843, 0.2941, 0.2626



59.2843, 0.3406, 0.2843



59.2843, 0.3817, 0.3164

Triad

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



59.2843, 0.3406, 0.2843



59.2843, 0.3689, 0.4089



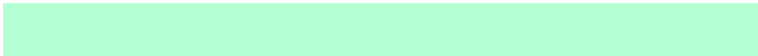
59.2843, 0.2301, 0.2943

Complementary

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



59.2843, 0.3406, 0.2843



85.9250, 0.2923, 0.3786

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.



59.2843, 0.2471, 0.3368



59.2843, 0.3406, 0.2843



59.2843, 0.3261, 0.4082

Square

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



59.2843, 0.3406, 0.2843



59.2843, 0.3978, 0.3870



59.2843, 0.2816, 0.3807



59.2843, 0.2332, 0.2659

Rectangle

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



59.2843, 0.3406, 0.2843



59.2843, 0.3987, 0.3407



59.2843, 0.2816, 0.3807



59.2843, 0.2336, 0.3073

Sweetspot

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



59.2806, 0.3406, 0.2843



85.6254, 0.3198, 0.3159



53.5597, 0.2818, 0.2477



17.8648, 0.3210, 0.3137



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.



59.2806, 0.3406, 0.2843



53.5095, 0.3476, 0.2756



57.5079, 0.3720, 0.3213



18.1659, 0.3202, 0.3151



12.2832, 0.4599, 0.2307



1.2177, 0.4397, 0.2196

Inverse Universe

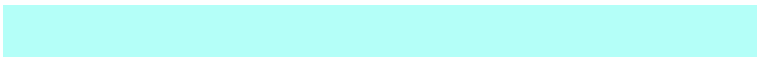
The Inverse Universe completely reimagines the original color for something new.



59.2806, 0.3406, 0.2843



53.5095, 0.3476, 0.2756



87.9685, 0.2737, 0.3370



18.1659, 0.3202, 0.3151



12.2832, 0.4599, 0.2307



1.2177, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 59.2843, 0.3406, 0.2843 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 59.2843, 0.3406, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

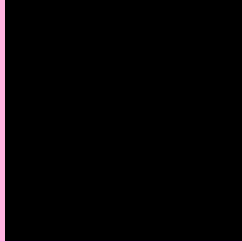
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2843, 0.3406, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 59.2843, 0.3406, 0.2843.



This preview shows how white text looks on a background with the Yxy color 59.2843, 0.3406, 0.2843.

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

59.2843, 0.3406, 0.2843

Protanopia

59.6821, 0.2840, 0.2868

Deuteranopia

59.4491, 0.3086, 0.3020



Tritanopia

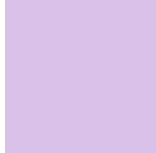
59.0999, 0.3585, 0.3134

Trichromacy



Original Color

59.2843, 0.3406, 0.2843



Protanomaly

58.7748, 0.3024, 0.2849



Deuteranomaly

59.1935, 0.3199, 0.2953



Tritanomaly

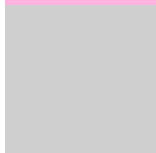
59.3037, 0.3518, 0.3032

Monochromacy



Original Color

59.2843, 0.3406, 0.2843



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.5839, 0.3222, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2843, 0.3406, 0.2843 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, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 224)  
}
```

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, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 224) }
```

Border

The CSS property to change the border of an element to Yxy 59.2843, 0.3406, 0.2843 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, 180, 224) }
```

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

```
.border{ border-color:rgb(255, 180, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2843, 0.3406, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 224) }
```

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

```
.background{ background-color: rgb(255,  
180, 224) }
```

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