

Converting Colors

$Y_{xy}(60.4009, 0.3418, 0.2893)$

Have a look what the booklet for
Yxy(60.4009, 0.3418, 0.2893)
contains.

Yxy(60.4009, 0.3418, 0.2893)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.4009, 0.3418, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	FFB7DE
RGB	255, 183, 222
RGB Percent	100%, 72%, 87%
CMY	0.0000, 0.2823, 0.1293
CMYK	0.00, 0.28, 0.13, 0.00
HSL	327°, 100%, 86%
HSV	327°, 28%, 100%
XYZ	71.3620, 60.4009, 77.0200
YIQ	208.9740, 30.3930, 27.3930

Conversions

Conversions Part 2

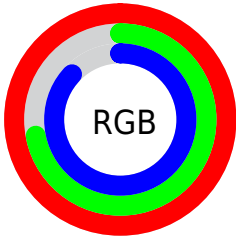
Format	Color
R _Y B	255, 183, 222
Decimal	16758750
CIE Lab	82.06, 31.79, -9.14
CIE LCh	82, 33.077, 343.959
Yxy	60.4009, 0.3418, 0.2893
Android (android.graphics.Color)	4294948830 (0xFFFFB7DE)
YUV	208.9740, 6.4218, 40.3648
Hunter-Lab	77.7180, 27.8952, -4.3549

Details

The Yxy color $60.4009, 0.3418, 0.2893$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.5441, 0.2913, 0.3725$, and the grayscale version is $63.6864, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.8002, 0.3134, 0.3146$, and $30.3609, 0.3484, 0.2795$ is the 20% darker color. If you saturate the color by 10%, you get $50.2141, 0.3560, 0.2748$, and if you desaturate by 10%, it is $72.5398, 0.3298, 0.3038$.

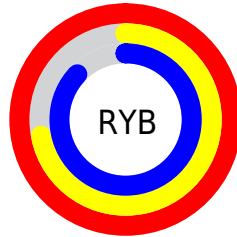
Distribution



Red (100%)

Green (72%)

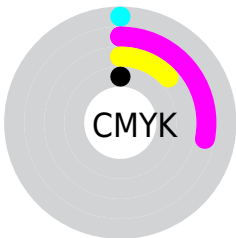
Blue (87%)



Red (100%)

Yellow (72%)

Blue (87%)

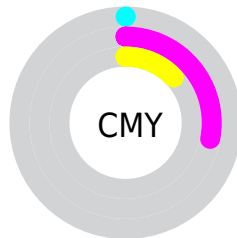


Cyan (0%)

Magenta (28%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4009, 0.3418, 0.2893 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 60.4009, 0.3418, 0.2893 by changing the saturation by 10% instead.


 60.4009, 0.3418,
0.2893

 60.4009, 0.3418,
0.2893


426.0739, 0.3282,
0.3077

 43.7419, 0.3449,
0.2851


 105.4110, 0.3371,
0.2957

 30.4676, 0.3488,
0.2799


134.5309, 0.3352,
0.2981

 20.1938, 0.3538,
0.2734

168.5731, 0.3336,
0.3003

 12.5360, 0.3604,
0.2648

207.9221, 0.3323,
0.3021

 7.1098, 0.3694,
0.2532

252.9623, 0.3311,
0.3038

 3.5309, 0.3825,
0.2366


304.0781, 0.3300,

 1.4148, 0.4035,


0.3052


0.2108


361.6538, 0.3290,
0.3065


 0.2276, 0.4733,
0.1076

 0.0000, 0.0000,
0.0000


 60.4009, 0.3418,
0.2893

 60.4009, 0.3418,
0.2893

 50.2141, 0.3560,
0.2748


 72.5398, 0.3298,
0.3038

 41.8707, 0.3726,
0.2611

 86.7221, 0.3197,
0.3179

 35.2588, 0.3914,
0.2491

100.0000, 0.3127,
0.3290

 30.2522, 0.4122,
0.2401

■ 26.7070, 0.4343,
0.2353

■ 24.4538, 0.4567,
0.2358

■ 23.2590, 0.4782,
0.2416

■ 23.1009, 0.4820,
0.2429

Harmonies

Analogous

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



60.4009, 0.2986, 0.2680



60.4009, 0.3418, 0.2893



60.4009, 0.3788, 0.3199

Triad

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



60.4009, 0.3418, 0.2893



60.4009, 0.3625, 0.4038



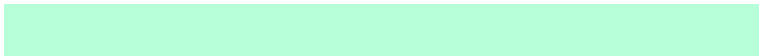
60.4009, 0.2353, 0.2946

Complementary

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



60.4009, 0.3418, 0.2893



86.5441, 0.2913, 0.3725

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.



60.4009, 0.2500, 0.3333



60.4009, 0.3418, 0.2893



60.4009, 0.3223, 0.4009

Square

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



60.4009, 0.3418, 0.2893



60.4009, 0.3903, 0.3852



60.4009, 0.2812, 0.3741



60.4009, 0.2395, 0.2691

Rectangle

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



60.4009, 0.3418, 0.2893



60.4009, 0.3935, 0.3428



60.4009, 0.2812, 0.3741



60.4009, 0.2381, 0.3064

Sweetspot

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



60.4025, 0.3418, 0.2893



87.0806, 0.3195, 0.3183



55.5951, 0.2860, 0.2519



18.1518, 0.3209, 0.3162



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.



60.4025, 0.3418, 0.2893



54.2974, 0.3497, 0.2809



58.6981, 0.3720, 0.3254



18.1518, 0.3209, 0.3162



12.1013, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Inverse Universe

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



60.4025, 0.3418, 0.2893



54.2974, 0.3497, 0.2809



88.5777, 0.2733, 0.3327



18.1518, 0.3209, 0.3162



12.1013, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Previews

White Background



This preview shows how the Yxy color 60.4009, 0.3418, 0.2893 looks on a white background.

Color Contrast Check

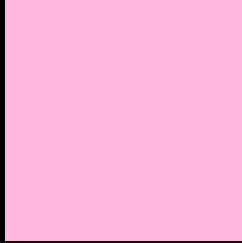
Large Text (above 18pt) WCAG AA × Fail

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 60.4009, 0.3418, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

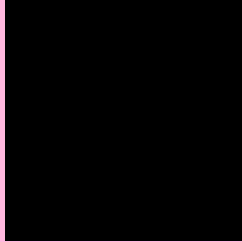
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4009, 0.3418, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 60.4009, 0.3418, 0.2893.



This preview shows how white text looks on a background with the Yxy color 60.4009, 0.3418, 0.2893.

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

60.4009, 0.3418, 0.2893

Protanopia

60.8521, 0.2881, 0.2926

Deuteranopia

60.8667, 0.3130, 0.3067



Tritanopia

60.4531, 0.3561, 0.3145

Trichromacy



Original Color

60.4009, 0.3418, 0.2893



Protanomaly

60.2531, 0.3060, 0.2916



Deuteranomaly

60.2962, 0.3228, 0.2997



Tritanomaly

60.6039, 0.3505, 0.3053

Monochromacy



Original Color

60.4009, 0.3418, 0.2893



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

62.3323, 0.3228, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4009, 0.3418, 0.2893 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, 183, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 222)  
}
```

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, 183, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 222) }
```

Border

The CSS property to change the border of an element to Yxy 60.4009, 0.3418, 0.2893 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, 183, 222) }
```

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

```
.border{ border-color:rgb(255, 183, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4009, 0.3418, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 222) }
```

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

```
.background{ background-color: rgb(255,  
183, 222) }
```

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