

Converting Colors

$Y_{xy}(100.0000, 0.4629, 0.3161)$

Have a look what the booklet for
Yxy(100.0000, 0.4629, 0.3161)
contains.

Yxy(60.4142, 0.3548, 0.3074)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.4142, 0.3548, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	FFB9CE
RGB	255, 185, 206
RGB Percent	100%, 73%, 81%
CMY	0.0000, 0.2745, 0.1921
CMYK	0.00, 0.27, 0.19, 0.00
HSL	342°, 100%, 86%
HSV	342°, 27%, 100%
XYZ	69.7299, 60.4142, 66.3888
YIQ	208.3240, 34.9790, 21.3710

Conversions

Conversions Part 2

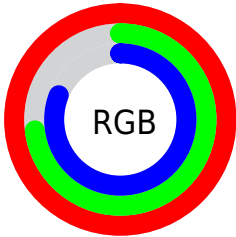
Format	Color
RYB	255, 185, 206
Decimal	16759246
CIELab	82.06, 28.27, -0.52
CIELCh	82, 28.272, 358.948
Yxy	60.4142, 0.3548, 0.3074
Android (android.graphics.Color)	4294949326 (0xFFFFB9CE)
YUV	208.3240, -1.1457, 40.9349
Hunter-Lab	77.7266, 24.1139, 3.7671

Details

The Yxy color **60.4142, 0.3548, 0.3074** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.7722, 0.2831, 0.3519**, and the grayscale version is **63.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **30.3699, 0.3651, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **49.8685, 0.3769, 0.2992**, and if you desaturate by 10%, it is **72.9771, 0.3367, 0.3156**.

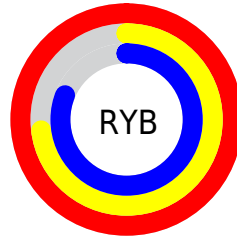
Distribution



Red (100%)

Green (73%)

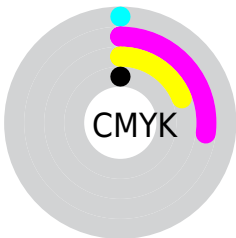
Blue (81%)



Red (100%)

Yellow (73%)

Blue (81%)

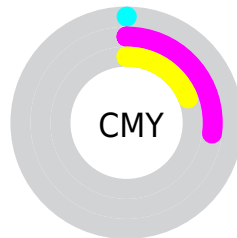


Cyan (0%)

Magenta (27%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4142, 0.3548, 0.3074 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 60.4142, 0.3548, 0.3074 by changing the saturation by 10% instead.

 60.4142, 0.3548,
0.3074

 60.4142, 0.3548,
0.3074

426.1228, 0.3347,
0.3177

 43.7526, 0.3596,
0.3050

 105.4303, 0.3477,
0.3110

 30.4760, 0.3655,
0.3019


134.5535, 0.3450,
0.3124

 20.2002, 0.3732,
0.2980


168.5995, 0.3426,
0.3136

 12.5407, 0.3836,
0.2927

207.9524, 0.3406,
0.3147

 7.1130, 0.3981,
0.2854

252.9969, 0.3388,
0.3156

 3.5329, 0.4200,
0.2743


304.1171, 0.3373,

 1.4159, 0.4566,


0.3164


0.2558


361.6977, 0.3359,
0.3171


 0.2284, 0.6390,
0.1606


 0.0000, 0.0000,
0.0000

 60.4142, 0.3548,
0.3074

 60.4142, 0.3548,
0.3074

 49.8685, 0.3769,
0.2992


 72.9771, 0.3367,
0.3156

 41.2262, 0.4034,
0.2915

 87.6466, 0.3219,
0.3235

 34.3747, 0.4344,
0.2852

99.9992, 0.3127,
0.3290

 29.1861, 0.4693,
0.2814

■ 25.5156, 0.5063,
0.2813

■ 23.1926, 0.5423,
0.2858

■ 21.9962, 0.5738,
0.2949

■ 21.7887, 0.5810,
0.2975

Harmonies

Analogous

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



60.4142, 0.3192, 0.2842



60.4142, 0.3548, 0.3074



60.4142, 0.3792, 0.3364

Triad

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



60.4142, 0.3548, 0.3074



60.4142, 0.3392, 0.3939



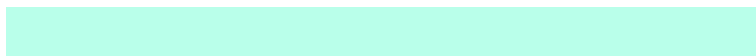
60.4142, 0.2456, 0.2872

Complementary

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



60.4142, 0.3548, 0.3074



87.7722, 0.2831, 0.3519

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.



60.4142, 0.2503, 0.3156



60.4142, 0.3548, 0.3074



60.4142, 0.3031, 0.3807

Square

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



60.4142, 0.3548, 0.3074



60.4142, 0.3693, 0.3872



60.4142, 0.2709, 0.3507



60.4142, 0.2574, 0.2719

Rectangle

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



60.4142, 0.3548, 0.3074



60.4142, 0.3851, 0.3561



60.4142, 0.2709, 0.3507



60.4142, 0.2454, 0.2954

Sweetspot

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



60.4170, 0.3548, 0.3074



86.7823, 0.3226, 0.3230



59.2159, 0.2990, 0.2568



18.0768, 0.3247, 0.3219



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.



60.4170, 0.3548, 0.3074



54.3198, 0.3665, 0.3028



65.0764, 0.3692, 0.3425



18.0768, 0.3247, 0.3219



11.4084, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Inverse Universe

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



60.4170, 0.3548, 0.3074



54.3198, 0.3665, 0.3028



81.1371, 0.2712, 0.3150



18.0768, 0.3247, 0.3219



11.4084, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 60.4142, 0.3548, 0.3074 looks on a white background.

Color Contrast Check

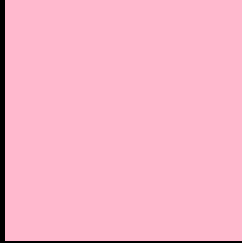
Large Text (above 18pt) WCAG AA × Fail

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 60.4142, 0.3548, 0.3074 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 60.4142, 0.3548, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 60.4142, 0.3548, 0.3074.



This preview shows how white text looks on a background with the Yxy color 60.4142, 0.3548, 0.3074.

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

60.4142, 0.3548, 0.3074

Protanopia

60.7008, 0.3044, 0.3129

Deuteranopia

60.5951, 0.3289, 0.3223



Tritanopia

60.3588, 0.3589, 0.3146

Trichromacy



Original Color

60.4142, 0.3548, 0.3074

Protanomaly

59.9719, 0.3215, 0.3101

Deuteranomaly

60.2099, 0.3377, 0.3160

Tritanomaly

60.4529, 0.3572, 0.3125

Monochromacy



Original Color

60.4142, 0.3548, 0.3074

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

61.8211, 0.3272, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4142, 0.3548, 0.3074 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, 185, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 206)  
}
```

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, 185, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 206) }
```

Border

The CSS property to change the border of an element to Yxy 60.4142, 0.3548, 0.3074 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, 185, 206) }
```

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

```
.border{ border-color:rgb(255, 185, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4142, 0.3548, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 206) }
```

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

```
.background{ background-color: rgb(255,  
185, 206) }
```

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