

Converting Colors

$Y_{xy}(100.0000, 0.4470, 0.3046)$

Have a look what the booklet for
Yxy(100.0000, 0.4470, 0.3046)
contains.

Yxy(61.2856, 0.3407, 0.2904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.2856, 0.3407, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	FFB9DF
RGB	255, 185, 223
RGB Percent	100%, 73%, 87%
CMY	0.0001, 0.2744, 0.1255
CMYK	0.00, 0.27, 0.13, 0.00
HSL	327°, 100%, 86%
HSV	327°, 27%, 100%
XYZ	71.9008, 61.2856, 77.8521
YIQ	210.2620, 29.5220, 26.6580

Conversions

Conversions Part 2

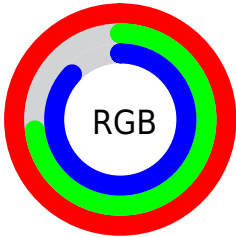
Format	Color
R _Y B	255, 185, 223
Decimal	16759263
CIE Lab	82.53, 30.88, -8.96
CIE LCh	83, 32.150, 343.821
Yxy	61.2856, 0.3407, 0.2904
Android (android.graphics.Color)	4294949343 (0xFFFFB9DF)
YUV	210.2620, 6.2798, 39.2352
Hunter-Lab	78.2851, 26.9441, -4.1625

Details

The Yxy color **61.2856, 0.3407, 0.2904** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.8290, 0.2919, 0.3712**, and the grayscale version is **64.5744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **30.9301, 0.3469, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **50.9515, 0.3547, 0.2758**, and if you desaturate by 10%, it is **73.5815, 0.3289, 0.3050**.

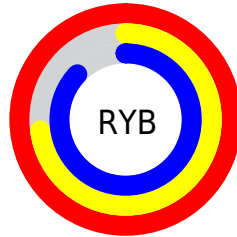
Distribution



Red (100%)

Green (73%)

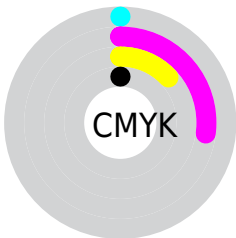
Blue (87%)



Red (100%)

Yellow (73%)

Blue (87%)

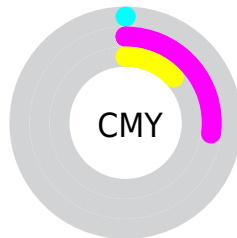


Cyan (0%)

Magenta (27%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2856, 0.3407, 0.2904 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 61.2856, 0.3407, 0.2904 by changing the saturation by 10% instead.


 61.2856, 0.3407,
0.2904

 61.2856, 0.3407,
0.2904

429.3204, 0.3276,
0.3082

 44.4557, 0.3437,
0.2863

 106.6924, 0.3361,
0.2966

 31.0289, 0.3474,
0.2813


136.0380, 0.3344,
0.2990

 20.6209, 0.3522,
0.2750


170.3243, 0.3329,
0.3011

 12.8472, 0.3584,
0.2667

209.9358, 0.3315,
0.3029

 7.3234, 0.3670,
0.2555

255.2567, 0.3304,
0.3044

 3.6652, 0.3796,
0.2394


306.6715, 0.3294,

 1.4881, 0.3994,


0.3059


0.2146


364.5646, 0.3285,
0.3071


 0.2803, 0.4602,
0.1249

 0.0000, 0.0000,
0.0000


 61.2856, 0.3407,
0.2904


 61.2856, 0.3407,
0.2904

 50.9515, 0.3547,
0.2758


 73.5815, 0.3289,
0.3050

 42.4676, 0.3711,
0.2620

 87.9262, 0.3190,
0.3190

 35.7241, 0.3897,
0.2498

99.9950, 0.3127,
0.3290

 30.5959, 0.4103,
0.2405

■ 26.9411, 0.4322,
0.2353

■ 24.5925, 0.4545,
0.2353

■ 23.3328, 0.4761,
0.2408

■ 23.1028, 0.4816,
0.2427

Harmonies

Analogous

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



61.2856, 0.2989, 0.2698



61.2856, 0.3407, 0.2904



61.2856, 0.3764, 0.3201

Triad

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



61.2856, 0.3407, 0.2904



61.2856, 0.3611, 0.4013



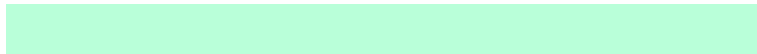
61.2856, 0.2377, 0.2960

Complementary

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



61.2856, 0.3407, 0.2904



86.8290, 0.2919, 0.3712

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.



61.2856, 0.2520, 0.3334



61.2856, 0.3407, 0.2904



61.2856, 0.3222, 0.3985

Square

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



61.2856, 0.3407, 0.2904



61.2856, 0.3879, 0.3834



61.2856, 0.2824, 0.3727



61.2856, 0.2417, 0.2711

Rectangle

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



61.2856, 0.3407, 0.2904



61.2856, 0.3907, 0.3423



61.2856, 0.2824, 0.3727



61.2856, 0.2405, 0.3074

Sweetspot

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



61.2884, 0.3407, 0.2904



87.0818, 0.3195, 0.3182



56.5988, 0.2869, 0.2543



18.1521, 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.



61.2884, 0.3407, 0.2904



55.3151, 0.3482, 0.2823



59.6137, 0.3698, 0.3255



18.1521, 0.3209, 0.3162



12.1051, 0.4782, 0.2408



1.2007, 0.4553, 0.2282

Inverse Universe

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



61.2884, 0.3407, 0.2904



55.3151, 0.3482, 0.2823



88.8149, 0.2743, 0.3326



18.1521, 0.3209, 0.3162



12.1051, 0.4782, 0.2408



1.2007, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 61.2856, 0.3407, 0.2904 looks on a white background.

Color Contrast Check

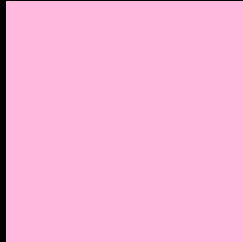
Large Text (above 18pt) WCAG AA × Fail

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 61.2856, 0.3407, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

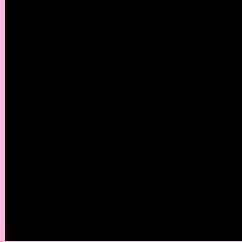
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.2856, 0.3407, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 61.2856, 0.3407, 0.2904.



This preview shows how white text looks on a background with the Yxy color 61.2856, 0.3407, 0.2904.

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

61.2856, 0.3407, 0.2904

Protanopia

61.6014, 0.2895, 0.2939

Deuteranopia

61.5359, 0.3130, 0.3068



Tritanopia

61.1609, 0.3551, 0.3135

Trichromacy



Original Color

61.2856, 0.3407, 0.2904



Protanomaly

61.0742, 0.3068, 0.2918



Deuteranomaly

61.4065, 0.3227, 0.3010



Tritanomaly

61.2646, 0.3503, 0.3054

Monochromacy



Original Color

61.2856, 0.3407, 0.2904



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

62.8483, 0.3220, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2856, 0.3407, 0.2904 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 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, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 223) }
```

Border

The CSS property to change the border of an element to Yxy 61.2856, 0.3407, 0.2904 is called "border". The border property can be set on classes, ids or directly on the HTML element.

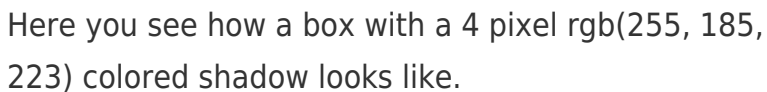
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 185, 223) }
```

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

```
.border{ border-color:rgb(255, 185, 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, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 185, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 185, 223); box-shadow:4px 4px 4px 4px rgb(255, 185, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2856, 0.3407, 0.2904 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
185, 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](#).

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