

Converting Colors

$Y_{xy}(59.7936, 0.3366, 0.2803)$

Have a look what the booklet for
Yxy(59.7936, 0.3366, 0.2803)
contains.

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Color

Yxy(59.9649, 0.3364, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	FFB5E5
RGB	255, 181, 229
RGB Percent	100%, 71%, 90%
CMY	0.0000, 0.2902, 0.1020
CMYK	0.00, 0.29, 0.10, 0.00
HSL	321°, 100%, 85%
HSV	321°, 29%, 100%
XYZ	71.9151, 59.9649, 81.8986
YIQ	208.5980, 28.6960, 30.6160

Conversions

Conversions Part 2

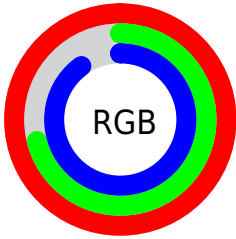
Format	Color
R _Y B	255, 181, 229
Decimal	16758245
CIE Lab	81.82, 33.98, -13.23
CIE LCh	82, 36.466, 338.722
Yxy	59.9649, 0.3364, 0.2805
Android (android.graphics.Color)	4294948325 (0xFFFFB5E5)
YUV	208.5980, 10.0582, 40.6946
Hunter-Lab	77.4370, 30.2568, -8.5001

Details

The Yxy color $59.9649, 0.3364, 0.2805$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $85.8481, 0.2949, 0.3832$, and the grayscale version is $63.3983, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.0484, 0.3135, 0.3117$, and $30.1051, 0.3410, 0.2683$ is the 20% darker color. If you saturate the color by 10%, you get $50.0346, 0.3474, 0.2635$, and if you desaturate by 10%, it is $71.8091, 0.3269, 0.2977$.

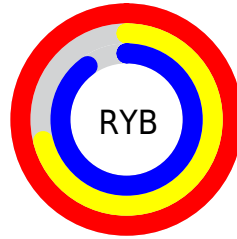
Distribution



Red (100%)

Green (71%)

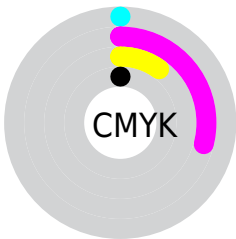
Blue (90%)



Red (100%)

Yellow (71%)

Blue (90%)

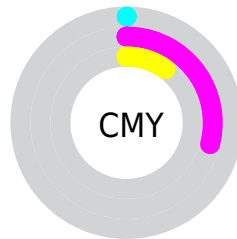


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9649, 0.3364, 0.2805 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 59.9649, 0.3364, 0.2805 by changing the saturation by 10% instead.


 59.9649, 0.3364,
0.2805

 59.9649, 0.3364,
0.2805

424.4684, 0.3255,
0.3027

 43.3903, 0.3389,
0.2755


 104.7787, 0.3326,
0.2882

 30.1915, 0.3419,
0.2693


133.7868, 0.3312,
0.2912

 19.9840, 0.3457,
0.2615

167.7082, 0.3299,
0.2938

 12.3834, 0.3507,
0.2514

206.9273, 0.3288,
0.2960

 7.0054, 0.3573,
0.2379

251.8284, 0.3278,
0.2980

 3.4655, 0.3668,
0.2187


302.7961, 0.3270,

 1.3793, 0.3812,


0.2998


0.1897


360.2146, 0.3262,
0.3013


 0.2014, 0.4324,
0.0842


 0.0000, 0.0000,
0.0000

 59.9649, 0.3364,
0.2805


 59.9649, 0.3364,
0.2805

 50.0346, 0.3474,
0.2635

 71.8091, 0.3269,
0.2977

 41.9286, 0.3599,
0.2474

 85.6779, 0.3189,
0.3145

 35.5281, 0.3739,
0.2334

100.0000, 0.3127,
0.3290

 30.7064, 0.3889,
0.2225

■ 27.3185, 0.4047,
0.2159

■ 25.1928, 0.4205,
0.2144

■ 24.0757, 0.4358,
0.2178

■ 23.9895, 0.4373,
0.2183

Harmonies

Analogous

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



59.9649, 0.2891, 0.2597



59.9649, 0.3364, 0.2805



59.9649, 0.3798, 0.3124

Triad

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



59.9649, 0.3364, 0.2805



59.9649, 0.3740, 0.4094



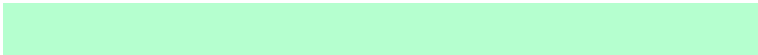
59.9649, 0.2291, 0.2973

Complementary

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



59.9649, 0.3364, 0.2805



85.8481, 0.2949, 0.3832

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.



59.9649, 0.2484, 0.3417



59.9649, 0.3364, 0.2805



59.9649, 0.3310, 0.4115

Square

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



59.9649, 0.3364, 0.2805



59.9649, 0.4015, 0.3850



59.9649, 0.2851, 0.3860



59.9649, 0.2302, 0.2665

Rectangle

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



59.9649, 0.3364, 0.2805



59.9649, 0.3989, 0.3370



59.9649, 0.2851, 0.3860



59.9649, 0.2333, 0.3111

Sweetspot

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



59.9601, 0.3364, 0.2805



85.7126, 0.3188, 0.3145



53.5141, 0.2796, 0.2483



17.8863, 0.3199, 0.3121



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.



59.9601, 0.3364, 0.2805



53.8031, 0.3427, 0.2703



58.1138, 0.3677, 0.3176



18.1855, 0.3192, 0.3137



12.5644, 0.4348, 0.2169



1.2441, 0.4184, 0.2079

Inverse Universe

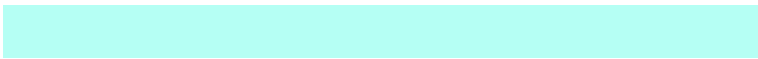
The Inverse Universe completely reimagines the original color for something new.



59.9601, 0.3364, 0.2805



53.8031, 0.3427, 0.2703



87.8681, 0.2760, 0.3410



18.1855, 0.3192, 0.3137



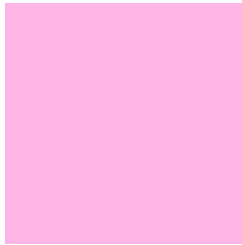
12.5644, 0.4348, 0.2169



1.2441, 0.4184, 0.2079

Previews

White Background



This preview shows how the Yxy color 59.9649, 0.3364, 0.2805 looks on a white background.

Color Contrast Check

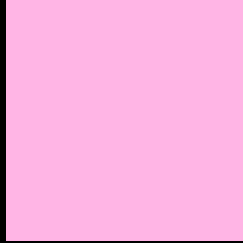
Large Text (above 18pt) WCAG AA × Fail

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 59.9649, 0.3364, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

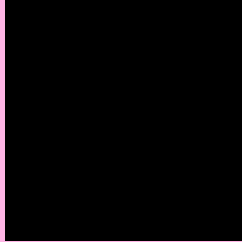
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9649, 0.3364, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 59.9649, 0.3364, 0.2805.



This preview shows how white text looks on a background with the Yxy color 59.9649, 0.3364, 0.2805.

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

59.9649, 0.3364, 0.2805

Protanopia

60.3142, 0.2802, 0.2826

Deuteranopia

60.0253, 0.3042, 0.2976



Tritanopia

59.7972, 0.3563, 0.3144

Trichromacy



Original Color

59.9649, 0.3364, 0.2805



Protanomaly

59.5083, 0.2989, 0.2809



Deuteranomaly

59.7393, 0.3153, 0.2911



Tritanomaly

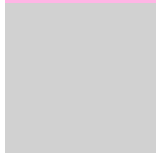
59.6796, 0.3483, 0.3011

Monochromacy



Original Color

59.9649, 0.3364, 0.2805



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

61.9735, 0.3214, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9649, 0.3364, 0.2805 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, 181, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 229)  
}
```

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, 181, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 229) }
```

Border

The CSS property to change the border of an element to Yxy 59.9649, 0.3364, 0.2805 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, 181, 229) }
```

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

```
.border{ border-color:rgb(255, 181, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9649, 0.3364, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 229) }
```

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

```
.background{ background-color: rgb(255,  
181, 229) }
```

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](#).

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