

Converting Colors

$Y_{xy}(63.6270, 0.3678, 0.2869)$

Have a look what the booklet for
Yxy(63.6270, 0.3678, 0.2869)
contains.

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Color

Yxy(57.5311, 0.3436, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0DD
RGB	255, 176, 221
RGB Percent	100%, 69%, 87%
CMY	0.0002, 0.3097, 0.1334
CMYK	0.00, 0.31, 0.13, 0.00
HSL	326°, 100%, 85%
HSV	326°, 31%, 100%
XYZ	69.8012, 57.5311, 75.8143
YIQ	204.7510, 32.6390, 30.7430

Conversions

Conversions Part 2

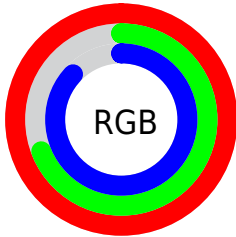
Format	Color
R _{YB}	255, 176, 221
Decimal	16756957
CIE _{Lab}	80.48, 35.25, -10.93
CIE _{LCh}	80, 36.909, 342.780
Yxy	57.5311, 0.3436, 0.2832
Android (android.graphics.Color)	4294947037 (0xFFFFB0DD)
YUV	204.7510, 8.0108, 44.0684
Hunter-Lab	75.8493, 31.5305, -6.1682

Details

The Yxy color **57.5311, 0.3436, 0.2832** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.3788, 0.2906, 0.3800**, and the grayscale version is **60.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **28.5426, 0.3509, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **47.8888, 0.3575, 0.2682**, and if you desaturate by 10%, it is **69.0945, 0.3317, 0.2985**.

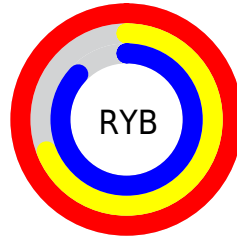
Distribution



Red (100%)

Green (69%)

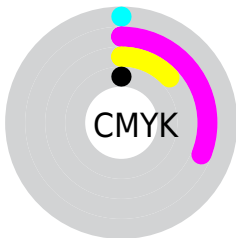
Blue (87%)



Red (100%)

Yellow (69%)

Blue (87%)

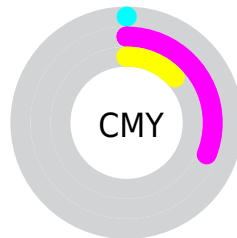


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5311, 0.3436, 0.2832 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 57.5311, 0.3436, 0.2832 by changing the saturation by 10% instead.

 57.5311, 0.3436,
0.2832

 57.5311, 0.3436,
0.2832


415.4364, 0.3291,
0.3044

 41.4318, 0.3470,
0.2783


 101.2397, 0.3385,
0.2906

 28.6566, 0.3511,
0.2723


129.6178, 0.3366,
0.2934

 18.8212, 0.3564,
0.2648


162.8576, 0.3349,
0.2959

 11.5412, 0.3634,
0.2548

201.3436, 0.3334,
0.2981

 6.4321, 0.3731,
0.2413

245.4600, 0.3322,
0.2999

 3.1095, 0.3871,
0.2220


295.5914, 0.3310,

 1.1892, 0.4096,


0.3016


0.1922


352.1221, 0.3300,
0.3031

 0.0529, 0.5108,
0.0296


 0.0000, 0.0000,
0.0000


 57.5311, 0.3436,
0.2832


 57.5311, 0.3436,
0.2832


 47.8888, 0.3575,
0.2682


 69.0945, 0.3317,
0.2985

 40.0535, 0.3736,
0.2541

 82.6689, 0.3218,
0.3134

 33.9116, 0.3916,
0.2422

 98.3480, 0.3134,
0.3277

 29.3327, 0.4112,
0.2337

99.9915, 0.3127,
0.3290

■ 26.1675, 0.4318,
0.2297

■ 24.2370, 0.4523,
0.2310

■ 23.3015, 0.4702,
0.2364

Harmonies

Analogous

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



57.5311, 0.2946, 0.2601



57.5311, 0.3436, 0.2832



57.5311, 0.3864, 0.3169

Triad

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



57.5311, 0.3436, 0.2832



57.5311, 0.3702, 0.4133



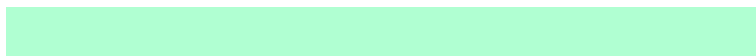
57.5311, 0.2260, 0.2911

Complementary

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



57.5311, 0.3436, 0.2832



85.3788, 0.2906, 0.3800

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.



57.5311, 0.2430, 0.3354



57.5311, 0.3436, 0.2832



57.5311, 0.3249, 0.4119

Square

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



57.5311, 0.3436, 0.2832



57.5311, 0.4013, 0.3906



57.5311, 0.2785, 0.3822



57.5311, 0.2300, 0.2621

Rectangle

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



57.5311, 0.3436, 0.2832



57.5311, 0.4038, 0.3423



57.5311, 0.2785, 0.3822



57.5311, 0.2294, 0.3046

Sweetspot

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



57.5337, 0.3436, 0.2832



85.6012, 0.3200, 0.3163



51.8234, 0.2808, 0.2432



17.8589, 0.3213, 0.3142



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.



57.5337, 0.3436, 0.2832



51.5020, 0.3518, 0.2740



55.7172, 0.3775, 0.3223



18.1604, 0.3205, 0.3155



12.2110, 0.4671, 0.2347



1.2109, 0.4458, 0.2229

Inverse Universe

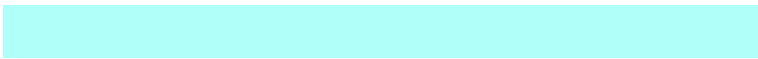
The Inverse Universe completely reimagines the original color for something new.



57.5337, 0.3436, 0.2832



51.5020, 0.3518, 0.2740



87.5259, 0.2713, 0.3360



18.1604, 0.3205, 0.3155



12.2110, 0.4671, 0.2347



1.2109, 0.4458, 0.2229

Previews

White Background



This preview shows how the Yxy color 57.5311, 0.3436, 0.2832 looks on a white background.

Color Contrast Check

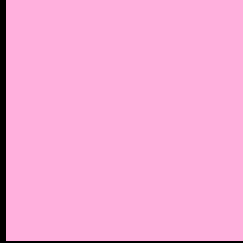
Large Text (above 18pt) WCAG AA × Fail

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 57.5311, 0.3436, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

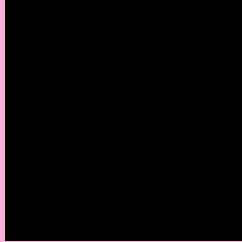
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5311, 0.3436, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 57.5311, 0.3436, 0.2832.



This preview shows how white text looks on a background with the Yxy color 57.5311, 0.3436, 0.2832.

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

57.5311, 0.3436, 0.2832

Protanopia

57.7238, 0.2836, 0.2863

Deuteranopia

57.4944, 0.3085, 0.3016



Tritanopia

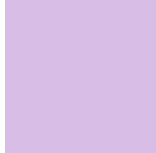
57.6833, 0.3626, 0.3144

Trichromacy



Original Color

57.5311, 0.3436, 0.2832



Protanomaly

57.1390, 0.3038, 0.2845



Deuteranomaly

56.9860, 0.3209, 0.2938



Tritanomaly

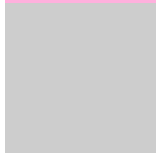
57.4825, 0.3560, 0.3031

Monochromacy



Original Color

57.5311, 0.3436, 0.2832



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

58.9747, 0.3232, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5311, 0.3436, 0.2832 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, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 221)  
}
```

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, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 221) }
```

Border

The CSS property to change the border of an element to Yxy 57.5311, 0.3436, 0.2832 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, 176, 221) }
```

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

```
.border{ border-color:rgb(255, 176, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5311, 0.3436, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 221) }
```

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

```
.background{ background-color: rgb(255,  
176, 221) }
```

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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