

Converting Colors

$Y_{xy}(62.7502, 0.3420, 0.2964)$

Have a look what the booklet for
Yxy(62.7502, 0.3420, 0.2964)
contains.

Yxy(62.8757, 0.3418, 0.2965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8757, 0.3418, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDDD
RGB	255, 189, 221
RGB Percent	100%, 74%, 87%
CMY	0.0000, 0.2588, 0.1334
CMYK	0.00, 0.26, 0.13, 0.00
HSL	331°, 100%, 87%
HSV	331°, 26%, 100%
XYZ	72.4820, 62.8757, 76.7020
YIQ	212.3820, 29.0640, 23.9440

Conversions

Conversions Part 2

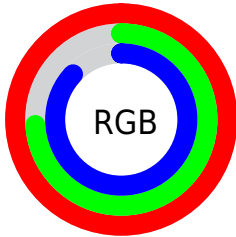
Format	Color
R _Y B	255, 189, 221
Decimal	16760285
CIE Lab	83.38, 28.46, -6.62
CIE LCh	83, 29.218, 346.912
Yxy	62.8757, 0.3418, 0.2965
Android (android.graphics.Color)	4294950365 (0xFFFFBDDD)
YUV	212.3820, 4.2487, 37.3760
Hunter-Lab	79.2942, 24.4001, -1.8458

Details

The Yxy color $62.8757, 0.3418, 0.2965$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.6624, 0.2910, 0.3641$, and the grayscale version is $66.0631, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $31.9514, 0.3483, 0.2885$ is the 20% darker color. If you saturate the color by 10%, you get $52.1814, 0.3573, 0.2834$, and if you desaturate by 10%, it is $75.5590, 0.3289, 0.3095$.

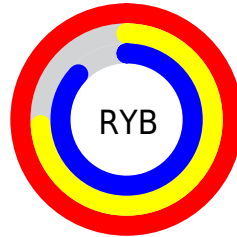
Distribution



Red (100%)

Green (74%)

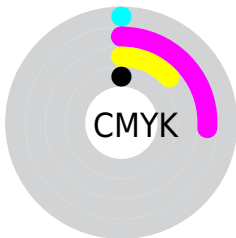
Blue (87%)



Red (100%)

Yellow (74%)

Blue (87%)

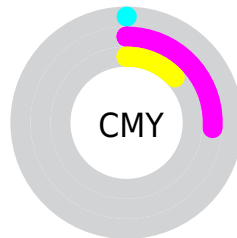


Cyan (0%)

Magenta (26%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (26%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8757, 0.3418, 0.2965 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 62.8757, 0.3418, 0.2965 by changing the saturation by 10% instead.

 62.8757, 0.3418,
0.2965

 62.8757, 0.3418,
0.2965


435.1182, 0.3282,
0.3115

 45.7407, 0.3450,
0.2931


 108.9902, 0.3370,
0.3017

 32.0412, 0.3489,
0.2888


138.7384, 0.3352,
0.3038

 21.3930, 0.3539,
0.2834


173.4598, 0.3336,
0.3055

 13.4116, 0.3605,
0.2764

213.5387, 0.3322,
0.3070

 7.7126, 0.3695,
0.2668

259.3597, 0.3310,
0.3084

 3.9116, 0.3829,
0.2530

311.3070, 0.3300,

 1.6242, 0.4042,

0.3095

0.2315

369.7650, 0.3290,
0.3106

0.3738, 0.4620,
0.1618

0.0000, 0.0000,
0.0000

62.8757, 0.3418,
0.2965

62.8757, 0.3418,
0.2965

52.1814, 0.3573,
0.2834

75.5590, 0.3289,
0.3095

43.3653, 0.3755,
0.2708

90.3175, 0.3181,
0.3220

36.3189, 0.3966,
0.2596

99.9977, 0.3127,
0.3290

30.9188, 0.4202,
0.2511

■ 27.0256, 0.4457,
0.2465

■ 24.4764, 0.4717,
0.2469

■ 23.0696, 0.4969,
0.2530

■ 22.7006, 0.5069,
0.2566

Harmonies

Analogous

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



62.8757, 0.3042, 0.2766



62.8757, 0.3418, 0.2965



62.8757, 0.3726, 0.3243

Triad

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



62.8757, 0.3418, 0.2965



62.8757, 0.3533, 0.3948



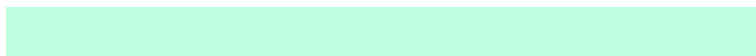
62.8757, 0.2443, 0.2966

Complementary

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



62.8757, 0.3418, 0.2965



87.6624, 0.2910, 0.3641

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.



62.8757, 0.2557, 0.3295



62.8757, 0.3418, 0.2965



62.8757, 0.3177, 0.3897

Square

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



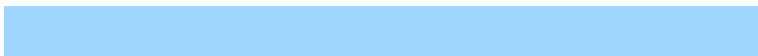
62.8757, 0.3418, 0.2965



62.8757, 0.3789, 0.3807



62.8757, 0.2822, 0.3649



62.8757, 0.2496, 0.2752

Rectangle

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



62.8757, 0.3418, 0.2965



62.8757, 0.3841, 0.3446



62.8757, 0.2822, 0.3649



62.8757, 0.2462, 0.3066

Sweetspot

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



62.8786, 0.3418, 0.2965



87.0088, 0.3202, 0.3194



59.1510, 0.2911, 0.2594



18.1337, 0.3218, 0.3175



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.



62.8786, 0.3418, 0.2965



57.1584, 0.3494, 0.2898



61.3344, 0.3683, 0.3292



18.1337, 0.3218, 0.3175



11.8927, 0.5031, 0.2545



1.1799, 0.4768, 0.2400

Inverse Universe

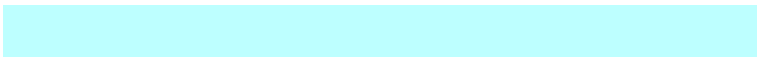
The Inverse Universe completely reimagines the original color for something new.



62.8786, 0.3418, 0.2965



57.1584, 0.3494, 0.2898



89.5522, 0.2747, 0.3289



18.1337, 0.3218, 0.3175



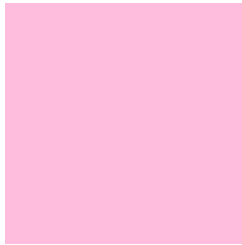
11.8927, 0.5031, 0.2545



1.1799, 0.4768, 0.2400

Previews

White Background



This preview shows how the Yxy color 62.8757, 0.3418, 0.2965 looks on a white background.

Color Contrast Check

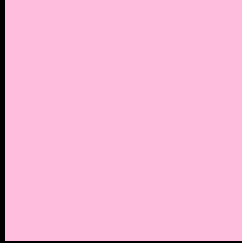
Large Text (above 18pt) WCAG AA × Fail

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 62.8757, 0.3418, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

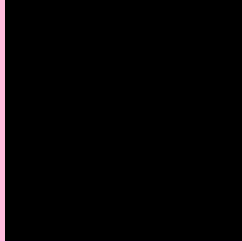
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8757, 0.3418, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 62.8757, 0.3418, 0.2965.



This preview shows how white text looks on a background with the Yxy color 62.8757, 0.3418, 0.2965.

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

62.8757, 0.3418, 0.2965

Protanopia

63.4310, 0.2944, 0.3009

Deuteranopia

63.0435, 0.3167, 0.3103



Tritanopia

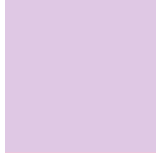
63.0382, 0.3518, 0.3146

Trichromacy



Original Color

62.8757, 0.3418, 0.2965



Protanomaly

62.5980, 0.3103, 0.2985



Deuteranomaly

62.7620, 0.3256, 0.3044



Tritanomaly

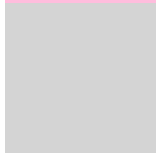
63.0356, 0.3487, 0.3085

Monochromacy



Original Color

62.8757, 0.3418, 0.2965



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

64.5860, 0.3232, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8757, 0.3418, 0.2965 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, 189, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 221) }
```

Border

The CSS property to change the border of an element to Yxy 62.8757, 0.3418, 0.2965 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, 189, 221) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8757, 0.3418, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 221) }
```

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

```
.background{ background-color: rgb(255,  
189, 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](#).

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