

Converting Colors

$Y_{xy}(78.2698, 0.3869, 0.2905)$

Have a look what the booklet for
Yxy(78.2698, 0.3869, 0.2905)
contains.

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Color

Yxy(62.6838, 0.3325, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	FFBBE9
RGB	255, 187, 233
RGB Percent	100%, 73%, 91%
CMY	0.0000, 0.2667, 0.0862
CMYK	0.00, 0.27, 0.09, 0.00
HSL	319°, 100%, 87%
HSV	319°, 27%, 100%
XYZ	73.7261, 62.6838, 85.3227
YIQ	212.5760, 25.7620, 28.7220

Conversions

Conversions Part 2

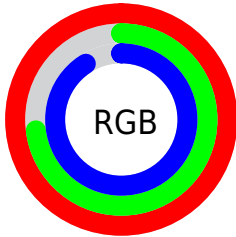
Format	Color
R _Y B	255, 187, 233
Decimal	16759785
CIE Lab	83.28, 31.49, -13.22
CIE LCh	83, 34.157, 337.226
Yxy	62.6838, 0.3325, 0.2827
Android (android.graphics.Color)	4294949865 (0xFFFFBBE9)
YUV	212.5760, 10.0690, 37.2058
Hunter-Lab	79.1731, 27.6665, -8.4740

Details

The Yxy color **62.6838, 0.3325, 0.2827** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.6860, 0.2973, 0.3804**, and the grayscale version is **66.1592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1814, 0.3132, 0.3185**, and **31.8197, 0.3368, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **52.3475, 0.3423, 0.2649**, and if you desaturate by 10%, it is **74.9613, 0.3240, 0.3005**.

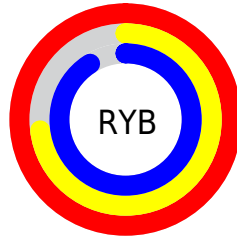
Distribution



Red (100%)

Green (73%)

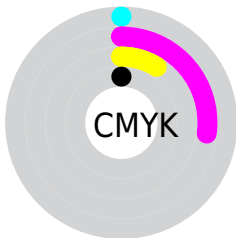
Blue (91%)



Red (100%)

Yellow (73%)

Blue (91%)

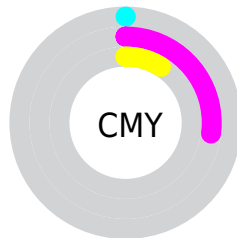


Cyan (0%)

Magenta (27%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6838, 0.3325, 0.2827 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 62.6838, 0.3325, 0.2827 by changing the saturation by 10% instead.

 62.6838, 0.3325,
0.2827

 62.6838, 0.3325,
0.2827


434.4210, 0.3235,
0.3038

 45.5855, 0.3345,
0.2780


 108.7132, 0.3294,
0.2900

 31.9188, 0.3370,
0.2721


138.4131, 0.3282,
0.2928

 21.2995, 0.3401,
0.2648


173.0822, 0.3272,
0.2953

 13.3431, 0.3440,
0.2554

213.1050, 0.3263,
0.2974

 7.6652, 0.3493,
0.2427

258.8659, 0.3254,
0.2993

 3.8815, 0.3567,
0.2250

310.7493, 0.3247,

 1.6075, 0.3678,

0.3010

0.1983

369.1395, 0.3241,
0.3025

0.3626, 0.3984,
0.1263

0.0000, 0.3499,
0.0000

62.6838, 0.3325,
0.2827

62.6838, 0.3325,
0.2827

52.3475, 0.3423,
0.2649

74.9613, 0.3240,
0.3005

43.8529, 0.3534,
0.2479

89.2769, 0.3169,
0.3179

37.0880, 0.3658,
0.2328

100.0000, 0.3127,
0.3290

31.9294, 0.3793,
0.2205

■ 28.2371, 0.3933,
0.2123

■ 25.8472, 0.4075,
0.2089

■ 24.5533, 0.4213,
0.2107

■ 24.2618, 0.4259,
0.2120

Harmonies

Analogous

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



62.6838, 0.2889, 0.2639



62.6838, 0.3325, 0.2827



62.6838, 0.3729, 0.3122

Triad

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



62.6838, 0.3325, 0.2827



62.6838, 0.3712, 0.4026



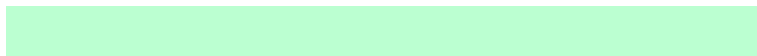
62.6838, 0.2356, 0.3018

Complementary

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



62.6838, 0.3325, 0.2827



86.6860, 0.2973, 0.3804

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.



62.6838, 0.2546, 0.3431



62.6838, 0.3325, 0.2827



62.6838, 0.3321, 0.4053

Square

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



62.6838, 0.3325, 0.2827



62.6838, 0.3955, 0.3798



62.6838, 0.2894, 0.3830



62.6838, 0.2356, 0.2723

Rectangle

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



62.6838, 0.3325, 0.2827



62.6838, 0.3912, 0.3351



62.6838, 0.2894, 0.3830



62.6838, 0.2399, 0.3147

Sweetspot

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



62.6829, 0.3325, 0.2827



87.2506, 0.3178, 0.3156



56.2450, 0.2812, 0.2552



18.1946, 0.3188, 0.3130



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.



62.6829, 0.3325, 0.2827



56.9375, 0.3375, 0.2732



60.9433, 0.3599, 0.3162



18.1946, 0.3188, 0.3130



12.7059, 0.4237, 0.2108



1.2572, 0.4090, 0.2027

Inverse Universe

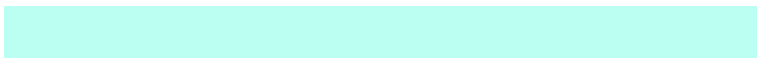
The Inverse Universe completely reimagines the original color for something new.



62.6829, 0.3325, 0.2827



56.9375, 0.3375, 0.2732



88.5269, 0.2798, 0.3424



18.1946, 0.3188, 0.3130



12.7059, 0.4237, 0.2108



1.2572, 0.4090, 0.2027

Previews

White Background



This preview shows how the Yxy color 62.6838, 0.3325, 0.2827 looks on a white background.

Color Contrast Check

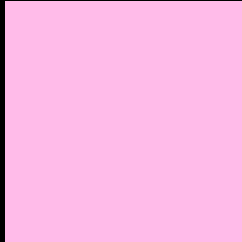
Large Text (above 18pt) WCAG AA × Fail

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 62.6838, 0.3325, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

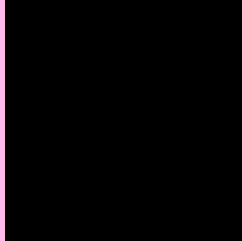
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6838, 0.3325, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 62.6838, 0.3325, 0.2827.



This preview shows how white text looks on a background with the Yxy color 62.6838, 0.3325, 0.2827.

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

62.6838, 0.3325, 0.2827

Protanopia

63.0145, 0.2827, 0.2856

Deuteranopia

62.8597, 0.3051, 0.2982



Tritanopia

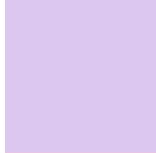
62.8510, 0.3510, 0.3145

Trichromacy



Original Color

62.6838, 0.3325, 0.2827



Protanomaly

62.4134, 0.2991, 0.2837



Deuteranomaly

62.6910, 0.3144, 0.2927



Tritanomaly

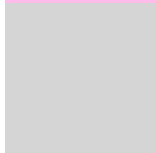
62.6674, 0.3440, 0.3023

Monochromacy



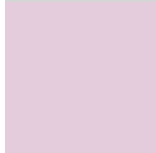
Original Color

62.6838, 0.3325, 0.2827



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

64.8470, 0.3196, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6838, 0.3325, 0.2827 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, 187, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 233)  
}
```

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, 187, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 233) }
```

Border

The CSS property to change the border of an element to Yxy 62.6838, 0.3325, 0.2827 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, 187, 233) }
```

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

```
.border{ border-color:rgb(255, 187, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6838, 0.3325, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 233) }
```

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

```
.background{ background-color: rgb(255,  
187, 233) }
```

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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