

Converting Colors

$Y_{xy}(68.3004, 0.3338, 0.2893)$

Have a look what the booklet for
Yxy(68.3004, 0.3338, 0.2893)
contains.

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Color

Yxy(66.8543, 0.3286, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4ED
RGB	255, 196, 237
RGB Percent	100%, 77%, 93%
CMY	0.0000, 0.2314, 0.0706
CMYK	0.00, 0.23, 0.07, 0.00
HSL	318°, 100%, 88%
HSV	318°, 23%, 100%
XYZ	76.2789, 66.8543, 88.9998
YIQ	218.3150, 22.0030, 25.2590

Conversions

Conversions Part 2

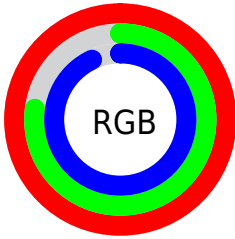
Format	Color
R _Y B	255, 196, 237
Decimal	16762093
CIE Lab	85.43, 27.45, -12.12
CIE LCh	85, 30.006, 336.178
Yxy	66.8543, 0.3286, 0.2880
Android (android.graphics.Color)	4294952173 (0xFFFFC4ED)
YUV	218.3150, 9.2117, 32.1727
Hunter-Lab	81.7645, 23.4366, -7.3014

Details

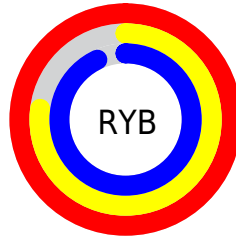
The Yxy color **66.8543, 0.3286, 0.2880** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1084, 0.2998, 0.3739**, and the grayscale version is **70.2561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.6880, 0.3325, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **55.8611, 0.3374, 0.2697**, and if you desaturate by 10%, it is **79.8086, 0.3210, 0.3062**.

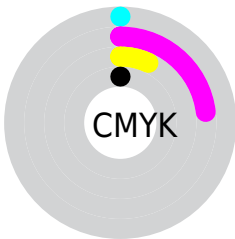
Distribution



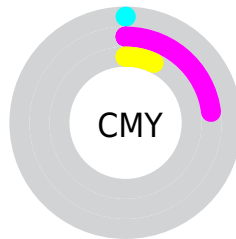
- Red (100%)
- Green (77%)
- Blue (93%)



- Red (100%)
- Yellow (77%)
- Blue (93%)



- Cyan (0%)
- Magenta (23%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8543, 0.3286, 0.2880 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 66.8543, 0.3286, 0.2880 by changing the saturation by 10% instead.


 66.8543, 0.3286,
0.2880

 66.8543, 0.3286,
0.2880

449.4260, 0.3215,
0.3066

 48.9662, 0.3302,
0.2838


114.7116, 0.3262,
0.2944

 34.5927, 0.3321,
0.2788


145.4496, 0.3252,
0.2969

 23.3493, 0.3345,
0.2724


181.2398, 0.3244,
0.2990

 14.8516, 0.3376,
0.2642

222.4664, 0.3236,
0.3009

 8.7153, 0.3417,
0.2533

269.5140, 0.3230,
0.3026

 4.5560, 0.3474,
0.2380


322.7668, 0.3224,


 1.9892, 0.3557,


0.3041


0.2151


382.6094, 0.3219,
0.3054

 0.6012, 0.3719,
0.1709


 0.0000, 0.3896,
0.0000

 66.8543, 0.3286,
0.2880


 66.8543, 0.3286,
0.2880

 55.8611, 0.3374,
0.2697


 79.8086, 0.3210,
0.3062

 46.7501, 0.3474,
0.2519

 94.8363, 0.3145,
0.3237

 39.4070, 0.3587,
0.2356

100.0000, 0.3127,
0.3290

 33.7130, 0.3710,
0.2219

■ 29.5349, 0.3840,
0.2118

■ 26.7182, 0.3972,
0.2063

■ 25.0757, 0.4102,
0.2059

■ 24.4423, 0.4188,
0.2081

Harmonies

Analogous

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



66.8543, 0.2912, 0.2719



66.8543, 0.3286, 0.2880



66.8543, 0.3634, 0.3137

Triad

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



66.8543, 0.3286, 0.2880



66.8543, 0.3644, 0.3920



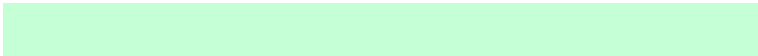
66.8543, 0.2461, 0.3072

Complementary

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



66.8543, 0.3286, 0.2880



88.1084, 0.2998, 0.3739

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.



66.8543, 0.2634, 0.3426



66.8543, 0.3286, 0.2880



66.8543, 0.3311, 0.3944

Square

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



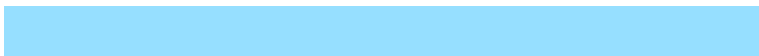
66.8543, 0.3286, 0.2880



66.8543, 0.3844, 0.3726



66.8543, 0.2941, 0.3759



66.8543, 0.2454, 0.2809

Rectangle

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



66.8543, 0.3286, 0.2880



66.8543, 0.3794, 0.3337



66.8543, 0.2941, 0.3759



66.8543, 0.2501, 0.3184

Sweetspot

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



66.8476, 0.3286, 0.2880



88.7895, 0.3169, 0.3170



60.9430, 0.2853, 0.2658



18.8082, 0.3173, 0.3160



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.



66.8476, 0.3286, 0.2880



61.2706, 0.3327, 0.2791



65.2771, 0.3513, 0.3170



18.2004, 0.3185, 0.3126



12.7995, 0.4168, 0.2070



1.2657, 0.4031, 0.1994

Inverse Universe

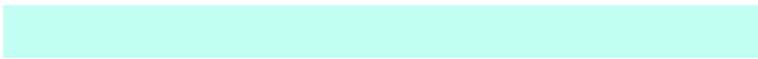
The Inverse Universe completely reimagines the original color for something new.



66.8476, 0.3286, 0.2880



61.2706, 0.3327, 0.2791



89.7368, 0.2844, 0.3415



18.2004, 0.3185, 0.3126



12.7995, 0.4168, 0.2070



1.2657, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 66.8543, 0.3286, 0.2880 looks on a white background.

Color Contrast Check

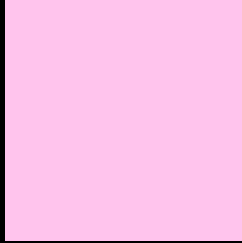
Large Text (above 18pt) WCAG AA × Fail

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 66.8543, 0.3286, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

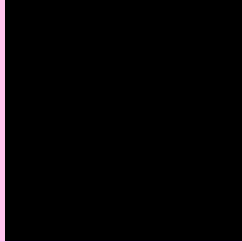
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8543, 0.3286, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 66.8543, 0.3286, 0.2880.



This preview shows how white text looks on a background with the Yxy color 66.8543, 0.3286, 0.2880.

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

66.8543, 0.3286, 0.2880

Protanopia

67.0678, 0.2865, 0.2909

Deuteranopia

67.1175, 0.3067, 0.3001



Tritanopia

66.9103, 0.3425, 0.3136

Trichromacy



Original Color

66.8543, 0.3286, 0.2880



Protanomaly

66.4610, 0.3007, 0.2897



Deuteranomaly

67.0747, 0.3143, 0.2956



Tritanomaly

67.0572, 0.3373, 0.3046

Monochromacy



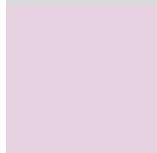
Original Color

66.8543, 0.3286, 0.2880



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.5184, 0.3179, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8543, 0.3286, 0.2880 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, 196, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 237)  
}
```

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, 196, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 237) }
```

Border

The CSS property to change the border of an element to Yxy 66.8543, 0.3286, 0.2880 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, 196, 237) }
```

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

```
.border{ border-color:rgb(255, 196, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8543, 0.3286, 0.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 237) }
```

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

```
.background{ background-color: rgb(255,  
196, 237) }
```

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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