

Converting Colors

$Y_{xy}(72.0100, 0.3520, 0.2943)$

Have a look what the booklet for
Yxy(72.0100, 0.3520, 0.2943)
contains.

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Color

Yxy(66.6230, 0.3316, 0.2919)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFC4E9 |
| RGB | 255, 196, 233 |
| RGB Percent | 100%, 77%, 91% |
| CMY | 0.0000, 0.2313, 0.0864 |
| CMYK | 0.00, 0.23, 0.09, 0.00 |
| HSL | 322°, 100%, 88% |
| HSV | 322°, 23%, 100% |
| XYZ | 75.6841, 66.6230, 85.9320 |
| YIQ | 217.8590, 23.2870, 24.0150 |

Conversions

Conversions Part 2

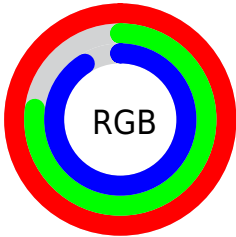
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 196, 233 |
| Decimal | 16762089 |
| CIE Lab | 85.31, 26.74, -10.15 |
| CIE LCh | 85, 28.604, 339.221 |
| Yxy | 66.6230, 0.3316, 0.2919 |
| Android (android.graphics.Color) | 4294952169 (0xFFFFC4E9) |
| YUV | 217.8590, 7.4645, 32.5727 |
| Hunter-Lab | 81.6229, 22.6724, -5.2841 |

Details

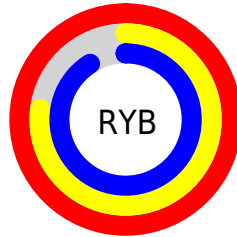
The Yxy color $66.6230, 0.3316, 0.2919$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.3215, 0.2977, 0.3693$, and the grayscale version is $69.9447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.7306, 0.3128, 0.3271$, and $34.5261, 0.3365, 0.2841$ is the 20% darker color. If you saturate the color by 10%, you get $55.5522, 0.3423, 0.2752$, and if you desaturate by 10%, it is $79.6827, 0.3225, 0.3084$.

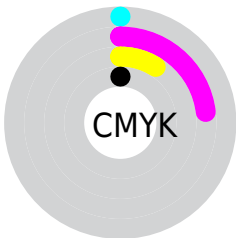
Distribution



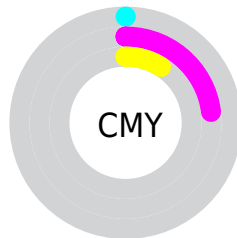
- Red (100%)
- Green (77%)
- Blue (91%)



- Red (100%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6230, 0.3316, 0.2919 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 66.6230, 0.3316, 0.2919 by changing the saturation by 10% instead.


 66.6230, 0.3316,
0.2919

 66.6230, 0.3316,
0.2919


448.6017, 0.3230,
0.3088

 48.7783, 0.3335,
0.2881

114.3800, 0.3286,
0.2977

 34.4437, 0.3359,
0.2835


145.0612, 0.3275,
0.3000

 23.2346, 0.3389,
0.2776


180.7899, 0.3265,
0.3019

 14.7669, 0.3428,
0.2701

221.9507, 0.3256,
0.3037

 8.6559, 0.3480,
0.2600

268.9279, 0.3248,
0.3052

 4.5174, 0.3554,
0.2457

322.1058, 0.3241,

 1.9670, 0.3665,

0.3065

0.2242

381.8689, 0.3235,
0.3077

0.5882, 0.3891,
0.1804

0.0000, 0.5250,
0.0000

66.6230, 0.3316,
0.2919

66.6230, 0.3316,
0.2919

55.5522, 0.3423,
0.2752

79.6827, 0.3225,
0.3084

46.3642, 0.3547,
0.2590

94.8167, 0.3148,
0.3242

38.9533, 0.3687,
0.2441

100.0000, 0.3127,
0.3290

33.2008, 0.3843,
0.2316

■ 28.9729, 0.4009,
0.2228

■ 26.1153, 0.4180,
0.2187

■ 24.4402, 0.4350,
0.2198

■ 23.7888, 0.4463,
0.2232

Harmonies

Analogous

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



66.6230, 0.2956, 0.2754



66.6230, 0.3316, 0.2919



66.6230, 0.3639, 0.3172

Triad

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



66.6230, 0.3316, 0.2919



66.6230, 0.3594, 0.3903



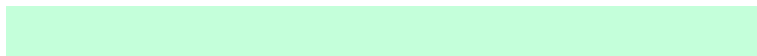
66.6230, 0.2481, 0.3052

Complementary

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



66.6230, 0.3316, 0.2919



88.3215, 0.2977, 0.3693

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.



66.6230, 0.2632, 0.3385



66.6230, 0.3316, 0.2919



66.6230, 0.3268, 0.3903

Square

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



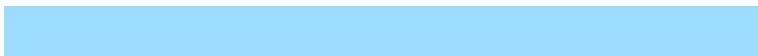
66.6230, 0.3316, 0.2919



66.6230, 0.3800, 0.3732



66.6230, 0.2916, 0.3709



66.6230, 0.2491, 0.2813

Rectangle

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



66.6230, 0.3316, 0.2919



66.6230, 0.3780, 0.3366



66.6230, 0.2916, 0.3709



66.6230, 0.2515, 0.3157

Sweetspot

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



66.6253, 0.3316, 0.2919



88.7132, 0.3176, 0.3182



61.5542, 0.2881, 0.2663



18.7905, 0.3181, 0.3172



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.



66.6253, 0.3316, 0.2919



60.9946, 0.3366, 0.2838



65.0979, 0.3544, 0.3210



18.1785, 0.3196, 0.3142



12.4601, 0.4437, 0.2218



1.2344, 0.4259, 0.2120

Inverse Universe

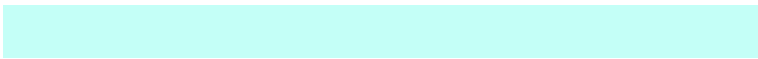
The Inverse Universe completely reimagines the original color for something new.



66.6253, 0.3316, 0.2919



60.9946, 0.3366, 0.2838



89.9808, 0.2824, 0.3372



18.1785, 0.3196, 0.3142



12.4601, 0.4437, 0.2218



1.2344, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 66.6230, 0.3316, 0.2919 looks on a white background.

Color Contrast Check

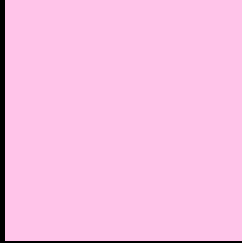
Large Text (above 18pt) WCAG AA × Fail

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 66.6230, 0.3316, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

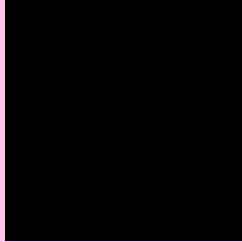
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6230, 0.3316, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 66.6230, 0.3316, 0.2919.



This preview shows how white text looks on a background with the Yxy color 66.6230, 0.3316, 0.2919.

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

66.6230, 0.3316, 0.2919

Protanopia

66.9679, 0.2896, 0.2951

Deuteranopia

66.5639, 0.3102, 0.3032



Tritanopia

66.6358, 0.3434, 0.3127

Trichromacy



Original Color

66.6230, 0.3316, 0.2919



Protanomaly

66.3822, 0.3041, 0.2938



Deuteranomaly

66.5426, 0.3179, 0.2986



Tritanomaly

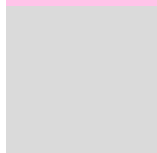
66.7329, 0.3390, 0.3046

Monochromacy



Original Color

66.6230, 0.3316, 0.2919



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.4098, 0.3193, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6230, 0.3316, 0.2919 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 233) }
```

Border

The CSS property to change the border of an element to Yxy 66.6230, 0.3316, 0.2919 is called "border". The border property can be set on classes, ids or directly on the HTML element.

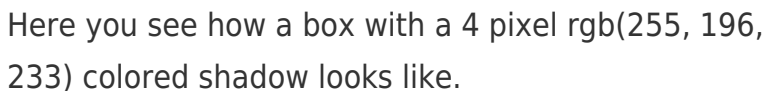
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 196, 233) }
```

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

```
.border{ border-color:rgb(255, 196, 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, 196, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 233); box-shadow:4px 4px 4px 4px rgb(255, 196, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6230, 0.3316, 0.2919 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, 233) }
```

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

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