

Converting Colors

$Y_{xy}(68.9310, 0.3411, 0.2970)$

Have a look what the booklet for
Yxy(68.9310, 0.3411, 0.2970)
contains.

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Color

Yxy(66.9057, 0.3337, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	FFC5E6
RGB	255, 197, 230
RGB Percent	100%, 77%, 90%
CMY	0.0002, 0.2274, 0.0980
CMYK	0.00, 0.23, 0.10, 0.00
HSL	326°, 100%, 89%
HSV	326°, 23%, 100%
XYZ	75.4781, 66.9057, 83.8018
YIQ	218.1040, 23.9750, 22.5590

Conversions

Conversions Part 2

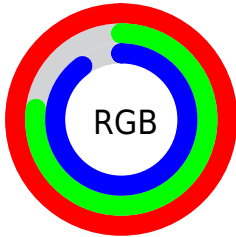
Format	Color
R _Y B	255, 197, 230
Decimal	16762342
CIE Lab	85.46, 25.71, -8.36
CIE LCh	85, 27.031, 341.983
Yxy	66.9057, 0.3337, 0.2958
Android (android.graphics.Color)	4294952422 (0xFFFFC5E6)
YUV	218.1040, 5.8647, 32.3578
Hunter-Lab	81.7959, 21.5701, -3.4868

Details

The Yxy color $66.9057, 0.3337, 0.2958$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.6400, 0.2961, 0.3648$, and the grayscale version is $70.1333, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.3636, 0.3128, 0.3281$, and $34.7458, 0.3384, 0.2879$ is the 20% darker color. If you saturate the color by 10%, you get $55.6934, 0.3459, 0.2805$, and if you desaturate by 10%, it is $80.1210, 0.3234, 0.3108$.

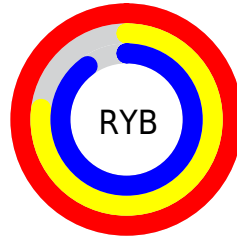
Distribution



Red (100%)

Green (77%)

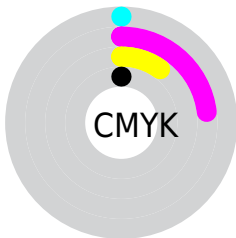
Blue (90%)



Red (100%)

Yellow (77%)

Blue (90%)

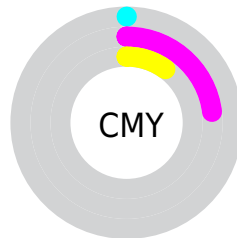


Cyan (0%)

Magenta (23%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (23%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9057, 0.3337, 0.2958 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 66.9057, 0.3337, 0.2958 by changing the saturation by 10% instead.

 66.9057, 0.3337,
0.2958

 66.9057, 0.3337,
0.2958

449.6090, 0.3241,
0.3110

 49.0080, 0.3359,
0.2924

114.7853, 0.3304,
0.3010

 34.6258, 0.3386,
0.2882

145.5359, 0.3291,
0.3031

 23.3748, 0.3420,
0.2829


181.3397, 0.3279,
0.3048

 14.8705, 0.3464,
0.2761

222.5810, 0.3270,
0.3064

 8.7285, 0.3524,
0.2669

269.6442, 0.3261,
0.3077

 4.5645, 0.3611,
0.2538

322.9136, 0.3253,

 1.9941, 0.3744,

0.3089

0.2340

382.7738, 0.3247,
0.3100

0.6040, 0.4012,
0.1930

0.0000, 0.8023,
0.0000

66.9057, 0.3337,
0.2958

66.9057, 0.3337,
0.2958

55.6934, 0.3459,
0.2805

80.1210, 0.3234,
0.3108

46.3758, 0.3602,
0.2656

95.4225, 0.3148,
0.3252

38.8483, 0.3766,
0.2519

99.9922, 0.3127,
0.3290

32.9923, 0.3950,
0.2405

■ 28.6747, 0.4149,
0.2326

■ 25.7417, 0.4355,
0.2295

■ 24.0073, 0.4559,
0.2318

■ 23.3010, 0.4703,
0.2364

Harmonies

Analogous

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



66.9057, 0.2996, 0.2792



66.9057, 0.3337, 0.2958



66.9057, 0.3632, 0.3204

Triad

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



66.9057, 0.3337, 0.2958



66.9057, 0.3544, 0.3876



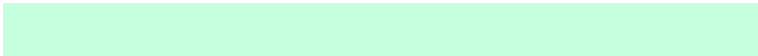
66.9057, 0.2510, 0.3041

Complementary

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



66.9057, 0.3337, 0.2958



88.6400, 0.2961, 0.3648

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.



66.9057, 0.2641, 0.3350



66.9057, 0.3337, 0.2958



66.9057, 0.3230, 0.3857

Square

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



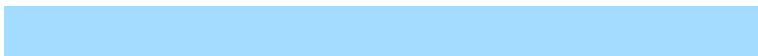
66.9057, 0.3337, 0.2958



66.9057, 0.3751, 0.3729



66.9057, 0.2900, 0.3660



66.9057, 0.2534, 0.2825

Rectangle

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



66.9057, 0.3337, 0.2958



66.9057, 0.3755, 0.3389



66.9057, 0.2900, 0.3660



66.9057, 0.2537, 0.3137

Sweetspot

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



66.9087, 0.3337, 0.2958



88.6499, 0.3183, 0.3192



62.5581, 0.2907, 0.2679



18.7759, 0.3188, 0.3183



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.



66.9087, 0.3337, 0.2958



61.8962, 0.3387, 0.2893



65.4525, 0.3558, 0.3241



18.1604, 0.3205, 0.3156



12.2103, 0.4672, 0.2347



1.2108, 0.4458, 0.2230

Inverse Universe

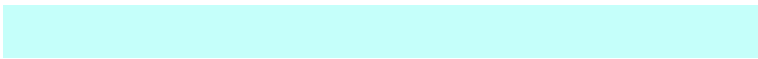
The Inverse Universe completely reimagines the original color for something new.



66.9087, 0.3337, 0.2958



61.8962, 0.3387, 0.2893



90.2776, 0.2814, 0.3340



18.1604, 0.3205, 0.3156



12.2103, 0.4672, 0.2347



1.2108, 0.4458, 0.2230

Previews

White Background



This preview shows how the Yxy color 66.9057, 0.3337, 0.2958 looks on a white background.

Color Contrast Check

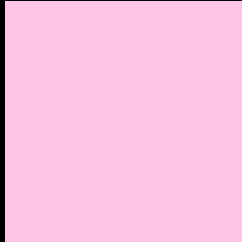
Large Text (above 18pt) WCAG AA × Fail

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 66.9057, 0.3337, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

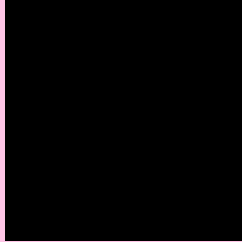
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9057, 0.3337, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 66.9057, 0.3337, 0.2958.



This preview shows how white text looks on a background with the Yxy color 66.9057, 0.3337, 0.2958.

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

66.9057, 0.3337, 0.2958

Protanopia

67.0799, 0.2929, 0.2983

Deuteranopia

67.2072, 0.3137, 0.3076



Tritanopia

67.0975, 0.3433, 0.3137

Trichromacy



Original Color

66.9057, 0.3337, 0.2958



Protanomaly

66.8505, 0.3068, 0.2980



Deuteranomaly

67.0200, 0.3208, 0.3028



Tritanomaly

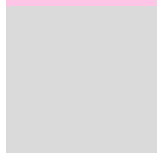
67.0850, 0.3404, 0.3077

Monochromacy



Original Color

66.9057, 0.3337, 0.2958



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.3560, 0.3200, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9057, 0.3337, 0.2958 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, 197, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 230)  
}
```

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, 197, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 230) }
```

Border

The CSS property to change the border of an element to Yxy 66.9057, 0.3337, 0.2958 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, 197, 230) }
```

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

```
.border{ border-color:rgb(255, 197, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9057, 0.3337, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 230) }
```

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

```
.background{ background-color: rgb(255,  
197, 230) }
```

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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