

Converting Colors

$Yxy(80.2364, 0.3763, 0.2986)$

Have a look what the booklet for
Yxy(80.2364, 0.3763, 0.2986)
contains.

Yxy(67.5314, 0.3314, 0.2939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.5314, 0.3314, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	FFC6E9
RGB	255, 198, 233
RGB Percent	100%, 78%, 91%
CMY	0.0000, 0.2235, 0.0863
CMYK	0.00, 0.22, 0.09, 0.00
HSL	323°, 100%, 89%
HSV	323°, 22%, 100%
XYZ	76.1480, 67.5314, 86.0974
YIQ	219.0330, 22.7370, 22.9690

Conversions

Conversions Part 2

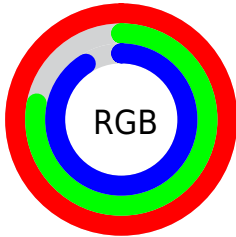
Format	Color
R_{YB}	255, 198, 233
Decimal	16762601
CIE _{Lab}	85.77, 25.71, -9.48
CIE _{LCh}	86, 27.403, 339.770
Yxy	67.5314, 0.3314, 0.2939
Android (android.graphics.Color)	4294952681 (0xFFFFC6E9)
YUV	219.0330, 6.8857, 31.5431
Hunter-Lab	82.1775, 21.5926, -4.5939

Details

The Yxy color $67.5314, 0.3314, 0.2939$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.6933, 0.2977, 0.3669$, and the grayscale version is $70.7979, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.1266, 0.3362, 0.2867$ is the 20% darker color. If you saturate the color by 10%, you get $56.2890, 0.3423, 0.2775$, and if you desaturate by 10%, it is $80.7617, 0.3221, 0.3100$.

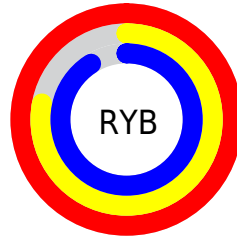
Distribution



Red (100%)

Green (78%)

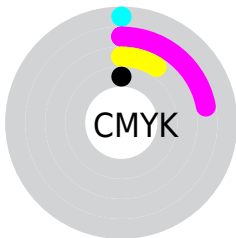
Blue (91%)



Red (100%)

Yellow (78%)

Blue (91%)

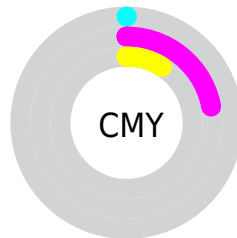


Cyan (0%)

Magenta (22%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5314, 0.3314, 0.2939 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 67.5314, 0.3314, 0.2939 by changing the saturation by 10% instead.


 67.5314, 0.3314,
0.2939

 67.5314, 0.3314,
0.2939


451.8340, 0.3229,
0.3099

 49.5166, 0.3333,
0.2903


115.6815, 0.3285,
0.2994

 35.0295, 0.3357,
0.2859


146.5856, 0.3273,
0.3015

 23.6856, 0.3386,
0.2804


182.5550, 0.3263,
0.3034

 15.1005, 0.3425,
0.2733

223.9740, 0.3255,
0.3050

 8.8900, 0.3477,
0.2637

271.2269, 0.3247,
0.3065

 4.6695, 0.3550,
0.2502


324.6983, 0.3240,


 2.0547, 0.3661,


0.3077


0.2299


384.7725, 0.3234,
0.3089


 0.6390, 0.3876,
0.1906


 0.0000, 0.5447,
0.0000


 67.5314, 0.3314,
0.2939


 67.5314, 0.3314,
0.2939

 56.2890, 0.3423,
0.2775


 80.7617, 0.3221,
0.3100

 46.9446, 0.3550,
0.2615

 96.0804, 0.3144,
0.3255

 39.3881, 0.3694,
0.2468

100.0000, 0.3127,
0.3290

 33.5013, 0.3855,
0.2343

■ 29.1521, 0.4028,
0.2254

■ 26.1879, 0.4206,
0.2212

■ 24.4243, 0.4384,
0.2222

■ 23.6774, 0.4515,
0.2261

Harmonies

Analogous

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



67.5314, 0.2970, 0.2779



67.5314, 0.3314, 0.2939



67.5314, 0.3619, 0.3183

Triad

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



67.5314, 0.3314, 0.2939



67.5314, 0.3568, 0.3876



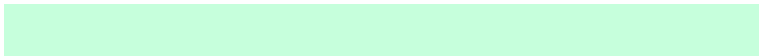
67.5314, 0.2509, 0.3059

Complementary

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



67.5314, 0.3314, 0.2939



88.6933, 0.2977, 0.3669

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.



67.5314, 0.2651, 0.3375



67.5314, 0.3314, 0.2939



67.5314, 0.3256, 0.3872

Square

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



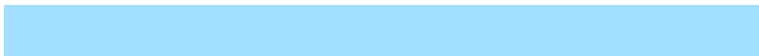
67.5314, 0.3314, 0.2939



67.5314, 0.3767, 0.3717



67.5314, 0.2921, 0.3684



67.5314, 0.2521, 0.2832

Rectangle

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



67.5314, 0.3314, 0.2939



67.5314, 0.3752, 0.3369



67.5314, 0.2921, 0.3684



67.5314, 0.2539, 0.3158

Sweetspot

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



67.5285, 0.3314, 0.2939



88.6991, 0.3178, 0.3184



62.7982, 0.2898, 0.2687



18.7872, 0.3183, 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.



67.5285, 0.3314, 0.2939



62.0650, 0.3362, 0.2863



66.0371, 0.3534, 0.3223



18.1745, 0.3198, 0.3145



12.4021, 0.4488, 0.2246



1.2289, 0.4302, 0.2144

Inverse Universe

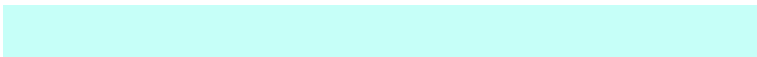
The Inverse Universe completely reimagines the original color for something new.



67.5285, 0.3314, 0.2939



62.0650, 0.3362, 0.2863



90.3243, 0.2828, 0.3359



18.1745, 0.3198, 0.3145



12.4021, 0.4488, 0.2246



1.2289, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 67.5314, 0.3314, 0.2939 looks on a white background.

Color Contrast Check

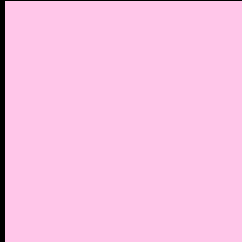
Large Text (above 18pt) WCAG AA × Fail

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 67.5314, 0.3314, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

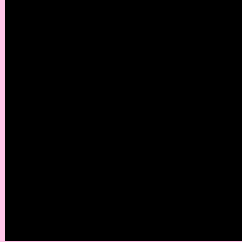
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5314, 0.3314, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 67.5314, 0.3314, 0.2939.



This preview shows how white text looks on a background with the Yxy color 67.5314, 0.3314, 0.2939.

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

67.5314, 0.3314, 0.2939

Protanopia

67.7612, 0.2910, 0.2963

Deuteranopia

67.8644, 0.3116, 0.3055



Tritanopia

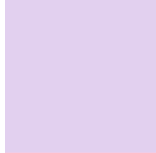
67.6138, 0.3424, 0.3137

Trichromacy



Original Color

67.5314, 0.3314, 0.2939



Protanomaly

67.5125, 0.3048, 0.2961



Deuteranomaly

67.6660, 0.3185, 0.3008



Tritanomaly

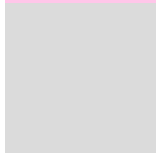
67.6533, 0.3387, 0.3067

Monochromacy



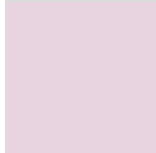
Original Color

67.5314, 0.3314, 0.2939



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.1262, 0.3193, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5314, 0.3314, 0.2939 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, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.5314, 0.3314, 0.2939 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, 198, 233) }
```

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

```
.border{ border-color:rgb(255, 198, 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, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5314, 0.3314, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 233) }
```

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

```
.background{ background-color: rgb(255,  
198, 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](#).

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