

Converting Colors

$Y_{xy}(68.8268, 0.2967, 0.2565)$

Have a look what the booklet for
Yxy(68.8268, 0.2967, 0.2565)
contains.

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Color

Yxy(67.6597, 0.3087, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	F6C7FF
RGB	246, 199, 255
RGB Percent	96%, 78%, 100%
CMY	0.0352, 0.2196, 0.0001
CMYK	0.04, 0.22, 0.00, 0.00
HSL	290°, 100%, 89%
HSV	290°, 22%, 100%
XYZ	76.4795, 67.6597, 103.6078
YIQ	219.4370, 10.0360, 27.3800

Conversions

Conversions Part 2

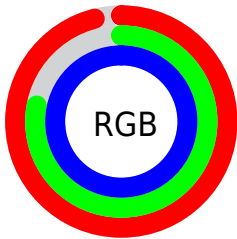
Format	Color
R _Y B	246, 199, 255
Decimal	16173055
CIE Lab	85.84, 26.11, -21.14
CIE LCh	86, 33.592, 321.006
Yxy	67.6597, 0.3087, 0.2731
Android (android.graphics.Color)	4294363135 (0xFFFF6C7FF)
YUV	219.4370, 17.5326, 23.2958
Hunter-Lab	82.2555, 22.0185, -17.1019

Details

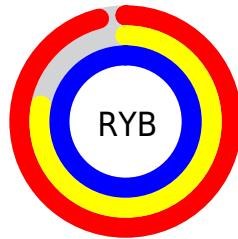
The Yxy color $67.6597, 0.3087, 0.2731$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.0257, 0.3153, 0.3896$, and the grayscale version is $71.0304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.1468, 0.3071, 0.2613$ is the 20% darker color. If you saturate the color by 10%, you get $56.1668, 0.3062, 0.2468$, and if you desaturate by 10%, it is $81.1402, 0.3108, 0.2992$.

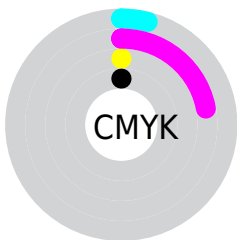
Distribution



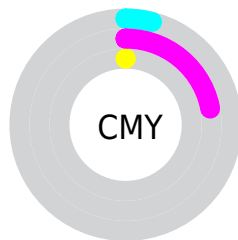
- Red (96%)
- Green (78%)
- Blue (100%)



- Red (96%)
- Yellow (78%)
- Blue (100%)



- Cyan (4%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6597, 0.3087, 0.2731 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 67.6597, 0.3087, 0.2731 by changing the saturation by 10% instead.


 67.6597, 0.3087,
0.2731

 67.6597, 0.3087,
0.2731


452.2894, 0.3110,
0.2981

 49.6209, 0.3081,
0.2676


115.8652, 0.3096,
0.2816

 35.1123, 0.3072,
0.2609


146.8007, 0.3099,
0.2850

 23.7494, 0.3061,
0.2526


182.8039, 0.3102,
0.2879

 15.1478, 0.3045,
0.2421

224.2592, 0.3104,
0.2904

 8.9232, 0.3021,
0.2282

271.5510, 0.3106,
0.2927

 4.6911, 0.2983,
0.2092


325.0637, 0.3108,


 2.0672, 0.2916,

0.2947

0.1820


385.1817, 0.3109,
0.2965


 0.6461, 0.2792,
0.1365

 0.0000, 0.1695,
0.0000

 67.6597, 0.3087,
0.2731

 67.6597, 0.3087,
0.2731

 56.1668, 0.3062,
0.2468

 81.1402, 0.3108,
0.2992

 46.5547, 0.3032,
0.2211

 96.6907, 0.3124,
0.3243

 38.7200, 0.2997,
0.1970

99.9979, 0.3127,
0.3290

 32.5456, 0.2959,
0.1756

■ 27.9005, 0.2919,
0.1579

■ 24.6335, 0.2876,
0.1446

■ 22.5624, 0.2834,
0.1359

■ 21.5439, 0.2800,
0.1316

Harmonies

Analogous

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



67.6597, 0.2703, 0.2622



67.6597, 0.3087, 0.2731



67.6597, 0.3507, 0.2965

Triad

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



67.6597, 0.3087, 0.2731



67.6597, 0.3839, 0.3897



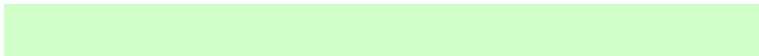
67.6597, 0.2463, 0.3237

Complementary

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



67.6597, 0.3087, 0.2731



89.0257, 0.3153, 0.3896

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.



67.6597, 0.2735, 0.3643



67.6597, 0.3087, 0.2731



67.6597, 0.3529, 0.4036

Square

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



67.6597, 0.3087, 0.2731



67.6597, 0.3957, 0.3615



67.6597, 0.3123, 0.3950



67.6597, 0.2362, 0.2882

Rectangle

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



67.6597, 0.3087, 0.2731



67.6597, 0.3744, 0.3170



67.6597, 0.3123, 0.3950



67.6597, 0.2537, 0.3373

Sweetspot

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



67.6626, 0.3087, 0.2731



88.5980, 0.3117, 0.3117



64.6338, 0.2762, 0.2779



18.7637, 0.3115, 0.3102



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.



67.6626, 0.3087, 0.2731



62.7908, 0.3077, 0.2624



68.1766, 0.3288, 0.2917



18.1447, 0.3112, 0.3054



11.3154, 0.2807, 0.1320



1.1394, 0.2855, 0.1347

Inverse Universe

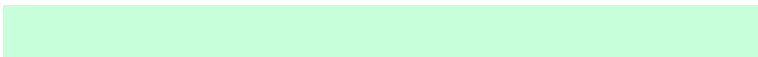
The Inverse Universe completely reimagines the original color for something new.



66.6540, 0.3505, 0.3199



61.6638, 0.3597, 0.3181



88.6858, 0.2996, 0.3695



18.0344, 0.3269, 0.3252



11.2055, 0.6177, 0.3176



1.1040, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 67.6597, 0.3087, 0.2731 looks on a white background.

Color Contrast Check

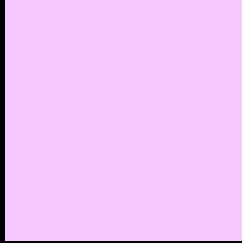
Large Text (above 18pt) WCAG AA × Fail

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 67.6597, 0.3087, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

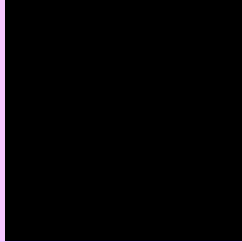
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6597, 0.3087, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 67.6597, 0.3087, 0.2731.

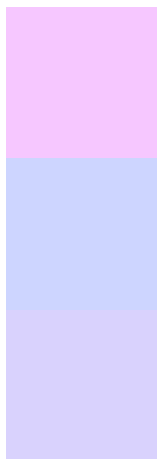


This preview shows how white text looks on a background with the Yxy color 67.6597, 0.3087, 0.2731.

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

67.6597, 0.3087, 0.2731

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

67.9367, 0.2895, 0.2834



Tritanopia

67.5839, 0.3288, 0.3122

Trichromacy



Original Color

67.6597, 0.3087, 0.2731



Protanomaly

67.5474, 0.2902, 0.2796



Deuteranomaly

67.7924, 0.2963, 0.2792



Tritanomaly

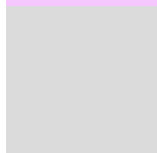
67.6498, 0.3217, 0.2980

Monochromacy



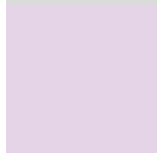
Original Color

67.6597, 0.3087, 0.2731



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.5712, 0.3115, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6597, 0.3087, 0.2731 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(246, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 199, 255)  
}
```

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(246, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6597, 0.3087, 0.2731 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(246, 199, 255) }
```

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

```
.border{ border-color:rgb(246, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6597, 0.3087, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 199, 255) }
```

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

```
.background{ background-color: rgb(246,  
199, 255) }
```

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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