

Converting Colors

$Y_{xy}(82.9670, 0.3721, 0.2867)$

Have a look what the booklet for
Yxy(82.9670, 0.3721, 0.2867)
contains.

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Color

Yxy(67.4553, 0.3212, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4F7
RGB	255, 196, 247
RGB Percent	100%, 77%, 97%
CMY	0.0000, 0.2314, 0.0315
CMYK	0.00, 0.23, 0.03, 0.00
HSL	308°, 100%, 88%
HSV	308°, 23%, 100%
XYZ	77.7697, 67.4553, 96.8974
YIQ	219.4550, 18.7930, 28.3690

Conversions

Conversions Part 2

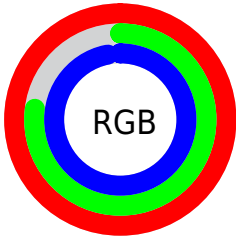
Format	Color
R _Y B	255, 196, 247
Decimal	16762103
CIE _{Lab}	85.73, 29.15, -16.97
CIE _{LCh}	86, 33.732, 329.792
Yxy	67.4553, 0.3212, 0.2786
Android (android.graphics.Color)	4294952183 (0xFFFFC4F7)
YUV	219.4550, 13.5797, 31.1730
Hunter-Lab	82.1312, 25.2914, -12.4578

Details

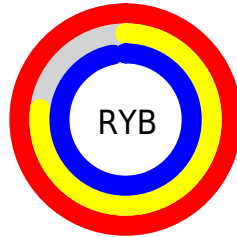
The Yxy color **67.4553, 0.3212, 0.2786** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.6170, 0.3053, 0.3852**, and the grayscale version is **71.0633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **35.1134, 0.3226, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **56.7002, 0.3256, 0.2565**, and if you desaturate by 10%, it is **80.1688, 0.3172, 0.3008**.

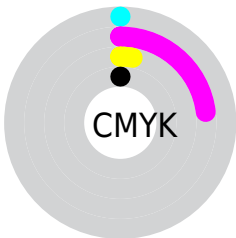
Distribution



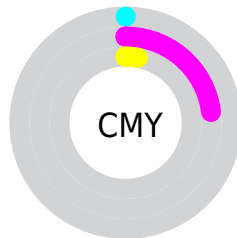
- Red (100%)
- Green (77%)
- Blue (97%)



- Red (100%)
- Yellow (77%)
- Blue (97%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4553, 0.3212, 0.2786 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 67.4553, 0.3212, 0.2786 by changing the saturation by 10% instead.


 67.4553, 0.3212,
0.2786

 67.4553, 0.3212,
0.2786

451.5637, 0.3177,
0.3012

 49.4547, 0.3219,
0.2736

 115.5726, 0.3200,
0.2863

 34.9803, 0.3228,
0.2675


146.4580, 0.3196,
0.2893

 23.6477, 0.3238,
0.2600


182.4073, 0.3192,
0.2920

 15.0725, 0.3249,
0.2503

223.8047, 0.3188,
0.2943

 8.8703, 0.3264,
0.2375

271.0346, 0.3185,
0.2963

 4.6567, 0.3280,
0.2199


324.4815, 0.3182,


 2.0473, 0.3298,


0.2981

0.1943


384.5297, 0.3179,
0.2998

 0.6347, 0.3323,
0.1497


 0.0000, 0.2810,
0.0000


 67.4553, 0.3212,
0.2786


 67.4553, 0.3212,
0.2786

 56.7002, 0.3256,
0.2565


 80.1688, 0.3172,
0.3008

 47.8054, 0.3304,
0.2354

 94.9333, 0.3137,
0.3224

 40.6632, 0.3356,
0.2162

100.0000, 0.3127,
0.3290

 35.1551, 0.3409,
0.1998

■ 31.1482, 0.3462,
0.1873

■ 28.4883, 0.3513,
0.1792

■ 26.9884, 0.3562,
0.1757

■ 26.4444, 0.3594,
0.1753

Harmonies

Analogous

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



67.4553, 0.2804, 0.2636



67.4553, 0.3212, 0.2786



67.4553, 0.3621, 0.3050

Triad

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



67.4553, 0.3212, 0.2786



67.4553, 0.3767, 0.3960



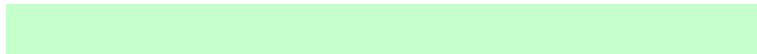
67.4553, 0.2411, 0.3121

Complementary

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



67.4553, 0.3212, 0.2786



87.6170, 0.3053, 0.3852

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.



67.4553, 0.2638, 0.3528



67.4553, 0.3212, 0.2786



67.4553, 0.3416, 0.4040

Square

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



67.4553, 0.3212, 0.2786



67.4553, 0.3950, 0.3709



67.4553, 0.3002, 0.3883



67.4553, 0.2364, 0.2800

Rectangle

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



67.4553, 0.3212, 0.2786



67.4553, 0.3828, 0.3266



67.4553, 0.3002, 0.3883



67.4553, 0.2468, 0.3253

Sweetspot

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



67.4550, 0.3212, 0.2786



88.9799, 0.3150, 0.3141



59.5199, 0.2785, 0.2646



18.8524, 0.3152, 0.3128



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.



67.4550, 0.3212, 0.2786



61.9853, 0.3233, 0.2678



65.7839, 0.3434, 0.3070



18.2554, 0.3159, 0.3087



13.8342, 0.3586, 0.1749



1.3582, 0.3537, 0.1722

Inverse Universe

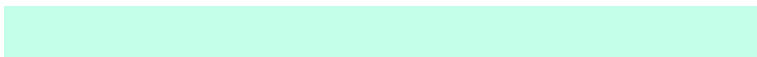
The Inverse Universe completely reimagines the original color for something new.



67.4550, 0.3212, 0.2786



61.9853, 0.3233, 0.2678



89.1603, 0.2895, 0.3522



18.2554, 0.3159, 0.3087



13.8342, 0.3586, 0.1749



1.3582, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 67.4553, 0.3212, 0.2786 looks on a white background.

Color Contrast Check

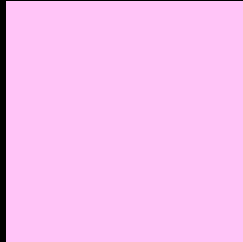
Large Text (above 18pt) WCAG AA × Fail

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 67.4553, 0.3212, 0.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

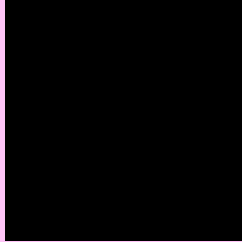
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4553, 0.3212, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 67.4553, 0.3212, 0.2786.



This preview shows how white text looks on a background with the Yxy color 67.4553, 0.3212, 0.2786.

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

67.4553, 0.3212, 0.2786

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

67.5047, 0.2979, 0.2917



Tritanopia

67.2923, 0.3400, 0.3126

Trichromacy



Original Color

67.4553, 0.3212, 0.2786



Protanomaly

67.5012, 0.2948, 0.2818



Deuteranomaly

67.1019, 0.3059, 0.2863



Tritanomaly

67.1437, 0.3327, 0.2996

Monochromacy



Original Color

67.4553, 0.3212, 0.2786



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.4015, 0.3158, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4553, 0.3212, 0.2786 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 247) }
```

Border

The CSS property to change the border of an element to Yxy 67.4553, 0.3212, 0.2786 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, 247) }
```

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

```
.border{ border-color:rgb(255, 196, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4553, 0.3212, 0.2786 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, 247) }
```

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

```
.background{ background-color: rgb(255,  
196, 247) }
```

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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