

Converting Colors

$Y_{xy}(67.8778, 0.3145, 0.2714)$

Have a look what the booklet for
Yxy(67.8778, 0.3145, 0.2714)
contains.

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Color

Yxy(67.7707, 0.3147, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	FEC4FF
RGB	254, 196, 255
RGB Percent	100%, 77%, 100%
CMY	0.0038, 0.2314, 0.0000
CMYK	0.00, 0.23, 0.00, 0.00
HSL	299°, 100%, 88%
HSV	299°, 23%, 100%
XYZ	78.6700, 67.7707, 103.5434
YIQ	220.0680, 15.6290, 30.6450

Conversions

Conversions Part 2

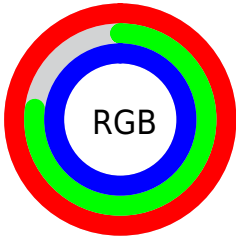
Format	Color
R_{YB}	254, 196, 255
Decimal	16696575
CIE _{Lab}	85.89, 30.27, -21.00
CIE _{LCh}	86, 36.838, 325.245
Yxy	67.7707, 0.3147, 0.2711
Android (android.graphics.Color)	4294886655 (0xFFFE4FF)
YUV	220.0680, 17.2215, 29.7584
Hunter-Lab	82.3230, 26.5142, -16.9472

Details

The Yxy color **67.7707, 0.3147, 0.2711** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.3713, 0.3102, 0.3943**, and the grayscale version is **71.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **35.2935, 0.3150, 0.2592** is the 20% darker color. If you saturate the color by 10%, you get **57.1520, 0.3155, 0.2462**, and if you desaturate by 10%, it is **80.3500, 0.3139, 0.2964**.

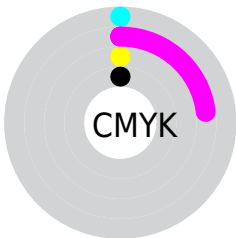
Distribution



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



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7707, 0.3147, 0.2711 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 67.7707, 0.3147, 0.2711 by changing the saturation by 10% instead.


 67.7707, 0.3147,
0.2711

 67.7707, 0.3147,
0.2711

452.6832, 0.3143,
0.2969

 49.7112, 0.3147,
0.2655


 116.0241, 0.3147,
0.2799

 35.1840, 0.3146,
0.2586


146.9867, 0.3146,
0.2833

 23.8046, 0.3144,
0.2501


183.0192, 0.3146,
0.2863

 15.1888, 0.3140,
0.2393

224.5059, 0.3145,
0.2889

 8.9520, 0.3132,
0.2252

271.8313, 0.3145,
0.2913

 4.7099, 0.3117,
0.2060

325.3797, 0.3144,

 2.0781, 0.3083,

0.2934

0.1786

385.5355, 0.3144,
0.2952

0.6522, 0.3014,
0.1336

0.0000, 0.2396,
0.0000

67.7707, 0.3147,
0.2711

67.7707, 0.3147,
0.2711

57.1520, 0.3155,
0.2462

80.3500, 0.3139,
0.2964

48.3868, 0.3162,
0.2225

94.9734, 0.3130,
0.3214

41.3704, 0.3167,
0.2012

100.0000, 0.3127,
0.3290

35.9844, 0.3170,
0.1831

■ 32.0957, 0.3172,
0.1689

■ 29.5503, 0.3172,
0.1592

■ 28.1611, 0.3170,
0.1537

■ 27.6912, 0.3167,
0.1518

Harmonies

Analogous

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



67.7707, 0.2715, 0.2571



67.7707, 0.3147, 0.2711



67.7707, 0.3603, 0.2980

Triad

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



67.7707, 0.3147, 0.2711



67.7707, 0.3867, 0.3985



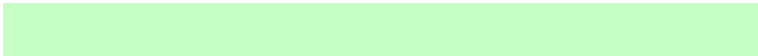
67.7707, 0.2375, 0.3167

Complementary

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



67.7707, 0.3147, 0.2711



87.3713, 0.3102, 0.3943

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.



67.7707, 0.2646, 0.3617



67.7707, 0.3147, 0.2711



67.7707, 0.3504, 0.4113

Square

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



67.7707, 0.3147, 0.2711



67.7707, 0.4034, 0.3689



67.7707, 0.3056, 0.3983



67.7707, 0.2295, 0.2797

Rectangle

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



67.7707, 0.3147, 0.2711



67.7707, 0.3849, 0.3206



67.7707, 0.3056, 0.3983



67.7707, 0.2446, 0.3315

Sweetspot

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



67.7735, 0.3147, 0.2711



89.0795, 0.3133, 0.3118



58.8778, 0.2732, 0.2647



18.8755, 0.3134, 0.3103



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.



67.7735, 0.3147, 0.2711



62.3724, 0.3151, 0.2589



66.2550, 0.3366, 0.2982



18.2842, 0.3135, 0.3056



14.4762, 0.3168, 0.1519



1.4142, 0.3173, 0.1522

Inverse Universe

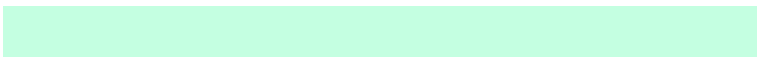
The Inverse Universe completely reimagines the original color for something new.



64.7673, 0.3600, 0.3281



58.8684, 0.3734, 0.3279



88.6648, 0.2942, 0.3620



17.9919, 0.3292, 0.3287



11.1157, 0.6384, 0.3291



1.0839, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 67.7707, 0.3147, 0.2711 looks on a white background.

Color Contrast Check

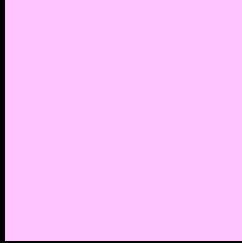
Large Text (above 18pt) WCAG AA × Fail

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 67.7707, 0.3147, 0.2711 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 67.7707, 0.3147, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 67.7707, 0.3147, 0.2711.



This preview shows how white text looks on a background with the Yxy color 67.7707, 0.3147, 0.2711.

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

67.7707, 0.3147, 0.2711

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

68.0269, 0.2908, 0.2845



Tritanopia

67.9136, 0.3374, 0.3136

Trichromacy



Original Color

67.7707, 0.3147, 0.2711



Protanomaly

67.5336, 0.2922, 0.2788



Deuteranomaly

67.7434, 0.2991, 0.2794



Tritanomaly

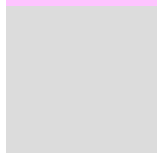
67.5873, 0.3296, 0.2975

Monochromacy



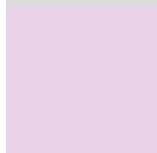
Original Color

67.7707, 0.3147, 0.2711



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.6275, 0.3131, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7707, 0.3147, 0.2711 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(254, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 196, 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(254, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.7707, 0.3147, 0.2711 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(254, 196, 255) }
```

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

```
.border{ border-color:rgb(254, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7707, 0.3147, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 196, 255) }
```

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

```
.background{ background-color: rgb(254,  
196, 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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