

Converting Colors

$Y_{xy}(76.6418, 0.3576, 0.2856)$

Have a look what the booklet for
Yxy(76.6418, 0.3576, 0.2856)
contains.

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Color

Yxy(66.8828, 0.3227, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	FFC3F5
RGB	255, 195, 245
RGB Percent	100%, 76%, 96%
CMY	0.0000, 0.2353, 0.0391
CMYK	0.00, 0.24, 0.04, 0.00
HSL	310°, 100%, 88%
HSV	310°, 24%, 100%
XYZ	77.2480, 66.8828, 95.2493
YIQ	218.6400, 19.7100, 28.2700

Conversions

Conversions Part 2

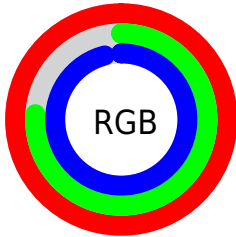
Format	Color
R _Y B	255, 195, 245
Decimal	16761845
CIE _{Lab}	85.44, 29.35, -16.37
CIE _{LCh}	85, 33.605, 330.843
Y _{xy}	66.8828, 0.3227, 0.2794
Android (android.graphics.Color)	4294951925 (0xFFFFC3F5)
YUV	218.6400, 12.9955, 31.8877
Hunter-Lab	81.7819, 25.4857, -11.8062

Details

The Yxy color $66.8828, 0.3227, 0.2794$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.5265, 0.3041, 0.3843$, and the grayscale version is $70.4715, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.1008, 0.3128, 0.3261$, and $34.7296, 0.3247, 0.2685$ is the 20% darker color. If you saturate the color by 10%, you get $56.1573, 0.3279, 0.2580$, and if you desaturate by 10%, it is $79.5602, 0.3181, 0.3009$.

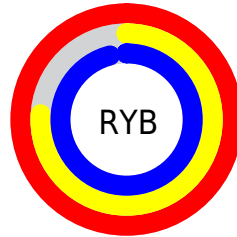
Distribution



Red (100%)

Green (76%)

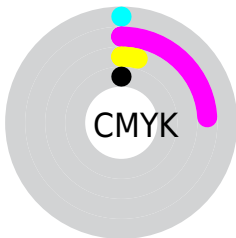
Blue (96%)



Red (100%)

Yellow (76%)

Blue (96%)

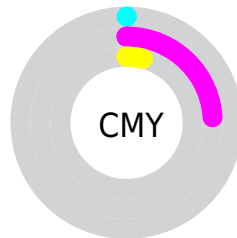


Cyan (0%)

Magenta (24%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8828, 0.3227, 0.2794 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 66.8828, 0.3227, 0.2794 by changing the saturation by 10% instead.


 66.8828, 0.3227,
0.2794

 66.8828, 0.3227,
0.2794

449.5275, 0.3185,
0.3017

 48.9894, 0.3236,
0.2745


 114.7525, 0.3213,
0.2870

 34.6111, 0.3246,
0.2684


145.4975, 0.3207,
0.2900

 23.3634, 0.3259,
0.2609


181.2952, 0.3202,
0.2926

 14.8621, 0.3274,
0.2514

222.5300, 0.3198,
0.2949

 8.7227, 0.3294,
0.2387

269.5862, 0.3194,
0.2969

 4.5607, 0.3317,
0.2211

322.8482, 0.3191,

 1.9919, 0.3346,

0.2987

0.1955

382.7005, 0.3187,
0.3003

0.6028, 0.3397,
0.1491

0.0000, 0.2847,
0.0000

66.8828, 0.3227,
0.2794

66.8828, 0.3227,
0.2794

56.1573, 0.3279,
0.2580

79.5602, 0.3181,
0.3009

47.2922, 0.3336,
0.2375

94.2893, 0.3140,
0.3218

40.1772, 0.3398,
0.2188

100.0000, 0.3127,
0.3290

34.6933, 0.3462,
0.2030

■ 30.7067, 0.3527,
0.1910

■ 28.0623, 0.3591,
0.1835

■ 26.5713, 0.3652,
0.1806

■ 26.0461, 0.3690,
0.1806

Harmonies

Analogous

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



66.8828, 0.2817, 0.2639



66.8828, 0.3227, 0.2794



66.8828, 0.3633, 0.3061

Triad

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



66.8828, 0.3227, 0.2794



66.8828, 0.3757, 0.3966



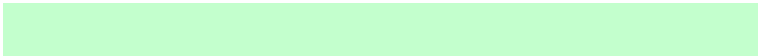
66.8828, 0.2407, 0.3108

Complementary

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



66.8828, 0.3227, 0.2794



87.5265, 0.3041, 0.3843

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.



66.8828, 0.2628, 0.3514



66.8828, 0.3227, 0.2794



66.8828, 0.3402, 0.4038

Square

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



66.8828, 0.3227, 0.2794



66.8828, 0.3947, 0.3719



66.8828, 0.2988, 0.3872



66.8828, 0.2367, 0.2792

Rectangle

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



66.8828, 0.3227, 0.2794



66.8828, 0.3836, 0.3278



66.8828, 0.2988, 0.3872



66.8828, 0.2461, 0.3239

Sweetspot

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



66.8802, 0.3227, 0.2794



88.9458, 0.3153, 0.3146



59.0818, 0.2785, 0.2634



18.8445, 0.3156, 0.3134



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.



66.8802, 0.3227, 0.2794



61.8546, 0.3249, 0.2698



65.2432, 0.3449, 0.3076



18.2455, 0.3164, 0.3094



13.6288, 0.3681, 0.1801



1.3402, 0.3618, 0.1767

Inverse Universe

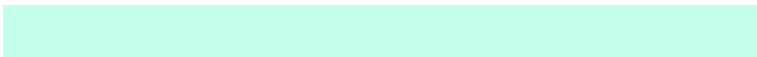
The Inverse Universe completely reimagines the original color for something new.



66.8802, 0.3227, 0.2794



61.8546, 0.3249, 0.2698



89.0611, 0.2886, 0.3515



18.2455, 0.3164, 0.3094



13.6288, 0.3681, 0.1801



1.3402, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 66.8828, 0.3227, 0.2794 looks on a white background.

Color Contrast Check

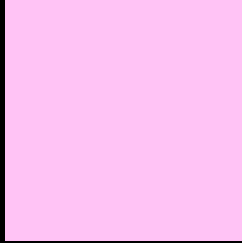
Large Text (above 18pt) WCAG AA × Fail

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 66.8828, 0.3227, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

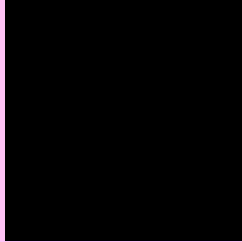
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8828, 0.3227, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 66.8828, 0.3227, 0.2794.



This preview shows how white text looks on a background with the Yxy color 66.8828, 0.3227, 0.2794.

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

66.8828, 0.3227, 0.2794

Protanopia

67.2861, 0.2804, 0.2826

Deuteranopia

66.9550, 0.2986, 0.2916



Tritanopia

66.7757, 0.3409, 0.3126

Trichromacy



Original Color

66.8828, 0.3227, 0.2794



Protanomaly

66.7956, 0.2948, 0.2816



Deuteranomaly

66.5672, 0.3066, 0.2863



Tritanomaly

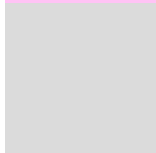
66.6297, 0.3336, 0.2995

Monochromacy



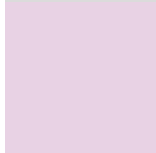
Original Color

66.8828, 0.3227, 0.2794



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

68.8504, 0.3166, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8828, 0.3227, 0.2794 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, 195, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 245)  
}
```

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, 195, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 245) }
```

Border

The CSS property to change the border of an element to Yxy 66.8828, 0.3227, 0.2794 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, 195, 245) }
```

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

```
.border{ border-color:rgb(255, 195, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8828, 0.3227, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 245) }
```

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

```
.background{ background-color: rgb(255,  
195, 245) }
```

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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