

Converting Colors

$Y_{xy}(72.2273, 0.3317, 0.2785)$

Have a look what the booklet for
Yxy(72.2273, 0.3317, 0.2785)
contains.

Yxy(68.6764, 0.3175, 0.2760)	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(68.6764, 0.3175, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	FFC6FC
RGB	255, 198, 252
RGB Percent	100%, 78%, 99%
CMY	0.0000, 0.2235, 0.0119
CMYK	0.00, 0.22, 0.01, 0.00
HSL	303°, 100%, 89%
HSV	303°, 22%, 100%
XYZ	79.0027, 68.6764, 101.1484
YIQ	221.1990, 16.6380, 28.8780

Conversions

Conversions Part 2

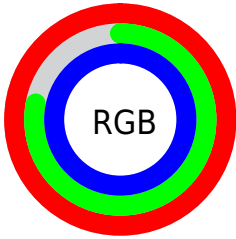
Format	Color
R _Y B	255, 198, 252
Decimal	16762620
CIE Lab	86.34, 28.98, -18.69
CIE LCh	86, 34.485, 327.176
Yxy	68.6764, 0.3175, 0.2760
Android (android.graphics.Color)	4294952700 (0xFFFFC6FC)
YUV	221.1990, 15.1849, 29.6435
Hunter-Lab	82.8712, 25.1429, -14.3565

Details

The Yxy color **68.6764, 0.3175, 0.2760** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.7461, 0.3081, 0.3884**, and the grayscale version is **72.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8924, 0.3187, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **57.8974, 0.3199, 0.2522**, and if you desaturate by 10%, it is **81.4183, 0.3152, 0.3000**.

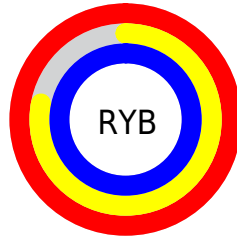
Distribution



Red (100%)

Green (78%)

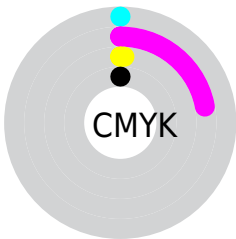
Blue (99%)



Red (100%)

Yellow (78%)

Blue (99%)

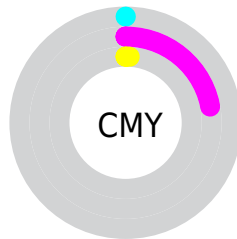


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6764, 0.3175, 0.2760 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 68.6764, 0.3175, 0.2760 by changing the saturation by 10% instead.

 68.6764, 0.3175,
0.2760

 68.6764, 0.3175,
0.2760

455.8888, 0.3157,
0.2997

 50.4482, 0.3178,
0.2708


117.3193, 0.3170,
0.2840

 35.7697, 0.3181,
0.2645


148.5027, 0.3167,
0.2872

 24.2564, 0.3185,
0.2567


184.7734, 0.3165,
0.2900

 15.5239, 0.3188,
0.2467

226.5157, 0.3163,
0.2924

 9.1879, 0.3190,
0.2336

274.1140, 0.3162,
0.2945

 4.8639, 0.3190,
0.2157

327.9527, 0.3160,

 2.1677, 0.3180,

0.2964

0.1899

388.4162, 0.3159,
0.2981

0.7023, 0.3150,
0.1479

0.0000, 0.2714,
0.0000

68.6764, 0.3175,
0.2760

68.6764, 0.3175,
0.2760

57.8974, 0.3199,
0.2522

81.4183, 0.3152,
0.3000

48.9832, 0.3224,
0.2295

96.2146, 0.3132,
0.3236

41.8271, 0.3249,
0.2089

100.0000, 0.3127,
0.3290

36.3116, 0.3274,
0.1913

■ 32.3051, 0.3298,
0.1777

■ 29.6554, 0.3319,
0.1683

■ 28.1788, 0.3338,
0.1634

■ 27.6332, 0.3351,
0.1619

Harmonies

Analogous

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



68.6764, 0.2766, 0.2620



68.6764, 0.3175, 0.2760



68.6764, 0.3596, 0.3020

Triad

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



68.6764, 0.3175, 0.2760



68.6764, 0.3802, 0.3954



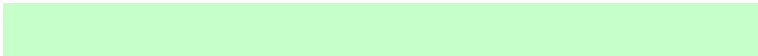
68.6764, 0.2413, 0.3152

Complementary

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



68.6764, 0.3175, 0.2760



87.7461, 0.3081, 0.3884

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.



68.6764, 0.2658, 0.3568



68.6764, 0.3175, 0.2760



68.6764, 0.3456, 0.4055

Square

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



68.6764, 0.3175, 0.2760



68.6764, 0.3969, 0.3687



68.6764, 0.3036, 0.3916



68.6764, 0.2349, 0.2815

Rectangle

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



68.6764, 0.3175, 0.2760



68.6764, 0.3817, 0.3235



68.6764, 0.3036, 0.3916



68.6764, 0.2476, 0.3288

Sweetspot

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



68.6764, 0.3175, 0.2760



89.0740, 0.3141, 0.3127



60.0085, 0.2766, 0.2665



18.8742, 0.3142, 0.3113



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.



68.6764, 0.3175, 0.2760



63.4263, 0.3186, 0.2649



67.0140, 0.3385, 0.3031



18.2826, 0.3146, 0.3068



14.4462, 0.3348, 0.1618



1.4115, 0.3331, 0.1608

Inverse Universe

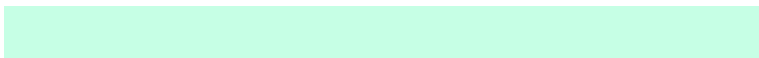
The Inverse Universe completely reimagines the original color for something new.



68.6764, 0.3175, 0.2760



63.4263, 0.3186, 0.2649



89.2035, 0.2927, 0.3565



18.2826, 0.3146, 0.3068



14.4462, 0.3348, 0.1618



1.4115, 0.3331, 0.1608

Previews

White Background



This preview shows how the Yxy color 68.6764, 0.3175, 0.2760 looks on a white background.

Color Contrast Check

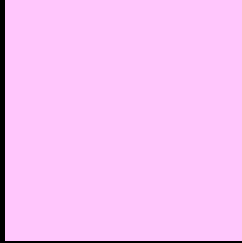
Large Text (above 18pt) WCAG AA × Fail

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 68.6764, 0.3175, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

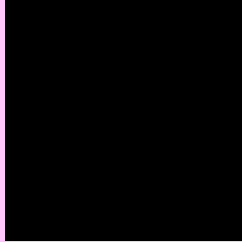
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6764, 0.3175, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 68.6764, 0.3175, 0.2760.



This preview shows how white text looks on a background with the Yxy color 68.6764, 0.3175, 0.2760.

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

68.6764, 0.3175, 0.2760

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.9577, 0.2954, 0.2889



Tritanopia

68.8623, 0.3373, 0.3127

Trichromacy



Original Color

68.6764, 0.3175, 0.2760



Protanomaly

68.7642, 0.2943, 0.2821



Deuteranomaly

68.5372, 0.3032, 0.2837



Tritanomaly

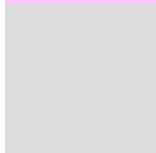
68.7627, 0.3294, 0.2987

Monochromacy



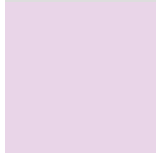
Original Color

68.6764, 0.3175, 0.2760



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.7383, 0.3144, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6764, 0.3175, 0.2760 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 252) }
```

Border

The CSS property to change the border of an element to Yxy 68.6764, 0.3175, 0.2760 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, 252) }
```

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

```
.border{ border-color:rgb(255, 198, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6764, 0.3175, 0.2760 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
198, 252) }
```

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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