

Converting Colors

$Yxy(69.3974, 0.3170, 0.2770)$

Have a look what the booklet for
Yxy(69.3974, 0.3170, 0.2770)
contains.

Yxy(69.5968, 0.3173, 0.2779)	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(69.5968, 0.3173, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8FC
RGB	255, 200, 252
RGB Percent	100%, 78%, 99%
CMY	0.0001, 0.2156, 0.0116
CMYK	0.00, 0.22, 0.01, 0.00
HSL	303°, 100%, 89%
HSV	303°, 22%, 100%
XYZ	79.4641, 69.5968, 101.3774
YIQ	222.3730, 16.0880, 27.8320

Conversions

Conversions Part 2

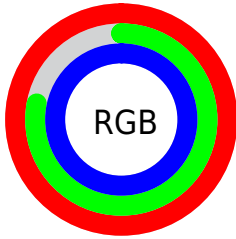
Format	Color
R _Y B	255, 200, 252
Decimal	16763132
CIE Lab	86.80, 27.93, -18.06
CIE LCh	87, 33.259, 327.120
Yxy	69.5968, 0.3173, 0.2779
Android (android.graphics.Color)	4294953212 (0xFFFFC8FC)
YUV	222.3730, 14.6061, 28.6139
Hunter-Lab	83.4247, 24.0324, -13.6517

Details

The Yxy color **69.5968, 0.3173, 0.2779** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0956, 0.3083, 0.3860**, and the grayscale version is **73.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5037, 0.3185, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **58.6711, 0.3197, 0.2541**, and if you desaturate by 10%, it is **82.4986, 0.3151, 0.3019**.

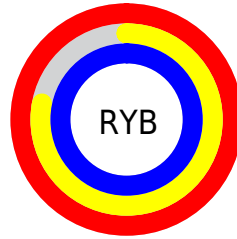
Distribution



Red (100%)

Green (78%)

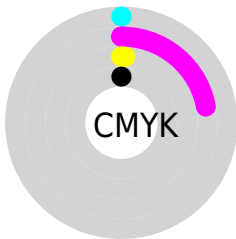
Blue (99%)



Red (100%)

Yellow (78%)

Blue (99%)

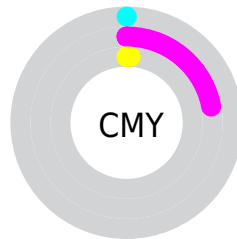


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5968, 0.3173, 0.2779 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 69.5968, 0.3173, 0.2779 by changing the saturation by 10% instead.


 69.5968, 0.3173,
0.2779

 69.5968, 0.3173,
0.2779


459.1330, 0.3156,
0.3007

 51.1979, 0.3176,
0.2729

118.6336, 0.3168,
0.2856

 36.3661, 0.3179,
0.2668


150.0403, 0.3166,
0.2887

 24.7171, 0.3183,
0.2593


186.5516, 0.3164,
0.2914

 15.8664, 0.3186,
0.2497

228.5521, 0.3162,
0.2937

 9.4297, 0.3188,
0.2370

276.4261, 0.3160,
0.2957

 5.0225, 0.3188,
0.2198


330.5580, 0.3159,


 2.2605, 0.3181,

0.2976


0.1948


391.3322, 0.3157,
0.2992


 0.7527, 0.3151,
0.1552


 0.0000, 0.2824,
0.0000


 69.5968, 0.3173,
0.2779


 69.5968, 0.3173,
0.2779

 58.6711, 0.3197,
0.2541

 82.4986, 0.3151,
0.3019

 49.6149, 0.3222,
0.2312

 97.4582, 0.3130,
0.3254

 42.3252, 0.3247,
0.2104

99.9958, 0.3127,
0.3290

 36.6856, 0.3272,
0.1926

■ 32.5656, 0.3296,
0.1786

■ 29.8152, 0.3317,
0.1689

■ 28.2539, 0.3336,
0.1636

■ 27.6291, 0.3350,
0.1619

Harmonies

Analogous

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



69.5968, 0.2780, 0.2644



69.5968, 0.3173, 0.2779



69.5968, 0.3577, 0.3030

Triad

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



69.5968, 0.3173, 0.2779



69.5968, 0.3776, 0.3929



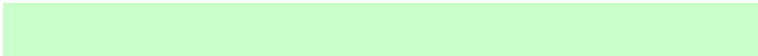
69.5968, 0.2440, 0.3159

Complementary

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



69.5968, 0.3173, 0.2779



88.0956, 0.3083, 0.3860

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.



69.5968, 0.2677, 0.3558



69.5968, 0.3173, 0.2779



69.5968, 0.3445, 0.4023

Square

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



69.5968, 0.3173, 0.2779



69.5968, 0.3936, 0.3673



69.5968, 0.3041, 0.3890



69.5968, 0.2378, 0.2835

Rectangle

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



69.5968, 0.3173, 0.2779



69.5968, 0.3789, 0.3238



69.5968, 0.3041, 0.3890



69.5968, 0.2501, 0.3290

Sweetspot

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



69.5998, 0.3173, 0.2779



90.5712, 0.3139, 0.3151



61.1940, 0.2781, 0.2690



19.1762, 0.3140, 0.3136



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.



69.5998, 0.3173, 0.2779



64.5205, 0.3183, 0.2672



67.9910, 0.3374, 0.3040



18.2827, 0.3146, 0.3068



14.4469, 0.3348, 0.1618



1.4116, 0.3330, 0.1608

Inverse Universe

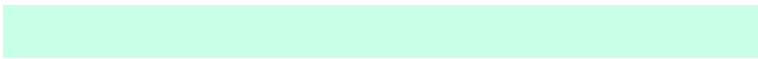
The Inverse Universe completely reimagines the original color for something new.



69.5998, 0.3173, 0.2779



64.5205, 0.3183, 0.2672



89.5133, 0.2934, 0.3555



18.2827, 0.3146, 0.3068



14.4469, 0.3348, 0.1618



1.4116, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 69.5968, 0.3173, 0.2779 looks on a white background.

Color Contrast Check

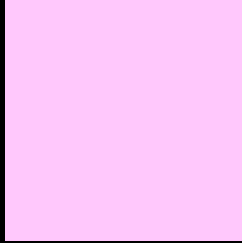
Large Text (above 18pt) WCAG AA × Fail

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 69.5968, 0.3173, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

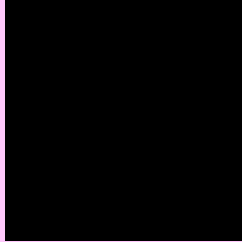
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5968, 0.3173, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 69.5968, 0.3173, 0.2779.



This preview shows how white text looks on a background with the Yxy color 69.5968, 0.3173, 0.2779.

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

69.5968, 0.3173, 0.2779

Protanopia

69.8870, 0.2832, 0.2873

Deuteranopia

69.6771, 0.2955, 0.2891



Tritanopia

69.3923, 0.3364, 0.3127

Trichromacy



Original Color

69.5968, 0.3173, 0.2779



Protanomaly

69.4177, 0.2950, 0.2833



Deuteranomaly

69.7390, 0.3032, 0.2849



Tritanomaly

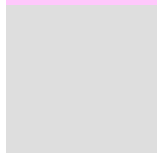
69.2335, 0.3293, 0.2997

Monochromacy



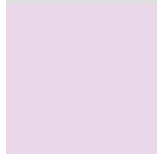
Original Color

69.5968, 0.3173, 0.2779



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.4688, 0.3144, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5968, 0.3173, 0.2779 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, 200, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 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, 200, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 252) }
```

Border

The CSS property to change the border of an element to Yxy 69.5968, 0.3173, 0.2779 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, 200, 252) }
```

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

```
.border{ border-color:rgb(255, 200, 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, 200, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5968, 0.3173, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 252) }
```

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

```
.background{ background-color: rgb(255,  
200, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor