

Converting Colors

$Yxy(87.1903, 0.3823, 0.2937)$

Have a look what the booklet for
Yxy(87.1903, 0.3823, 0.2937)
contains.

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Color

Yxy(69.1002, 0.3231, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8F4
RGB	255, 200, 244
RGB Percent	100%, 78%, 96%
CMY	0.0000, 0.2157, 0.0432
CMYK	0.00, 0.22, 0.04, 0.00
HSL	312°, 100%, 89%
HSV	312°, 22%, 100%
XYZ	78.2280, 69.1002, 94.7888
YIQ	221.4610, 18.6560, 25.3440

Conversions

Conversions Part 2

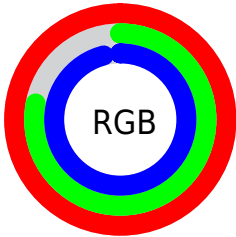
Format	Color
R _Y B	255, 200, 244
Decimal	16763124
CIE Lab	86.55, 26.53, -14.15
CIE LCh	87, 30.071, 331.925
Yxy	69.1002, 0.3231, 0.2854
Android (android.graphics.Color)	4294953204 (0xFFFFC8F4)
YUV	221.4610, 11.1117, 29.4137
Hunter-Lab	83.1265, 22.5098, -9.4196

Details

The Yxy color **69.1002, 0.3231, 0.2854** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.5029, 0.3038, 0.3769**, and the grayscale version is **72.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1944, 0.3251, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **57.9496, 0.3290, 0.2647**, and if you desaturate by 10%, it is **82.2254, 0.3179, 0.3060**.

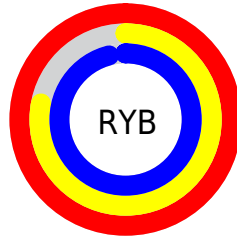
Distribution



Red (100%)

Green (78%)

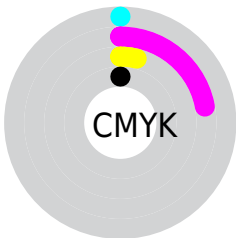
Blue (96%)



Red (100%)

Yellow (78%)

Blue (96%)

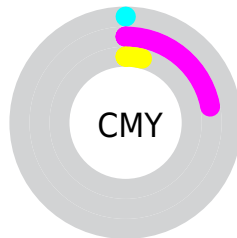


Cyan (0%)

Magenta (22%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1002, 0.3231, 0.2854 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 69.1002, 0.3231, 0.2854 by changing the saturation by 10% instead.

 69.1002, 0.3231,
0.2854

 69.1002, 0.3231,
0.2854


457.3843, 0.3186,
0.3050

 50.7933, 0.3241,
0.2811

117.9247, 0.3216,
0.2921

 36.0441, 0.3252,
0.2758


149.2111, 0.3210,
0.2947

 24.4683, 0.3266,
0.2692


185.5927, 0.3205,
0.2970

 15.6814, 0.3284,
0.2607

227.4541, 0.3200,
0.2990

 9.2990, 0.3306,
0.2495

275.1795, 0.3196,
0.3008

 4.9367, 0.3335,
0.2340

329.1535, 0.3192,

 2.2102, 0.3374,

0.3023

0.2112

389.7602, 0.3189,
0.3037

0.7255, 0.3433,
0.1729

0.0000, 0.3318,
0.0000

69.1002, 0.3231,
0.2854

69.1002, 0.3231,
0.2854

57.9496, 0.3290,
0.2647

82.2254, 0.3179,
0.3060

48.6815, 0.3357,
0.2446

97.4216, 0.3134,
0.3260

41.1881, 0.3429,
0.2261

100.0000, 0.3127,
0.3290

35.3527, 0.3506,
0.2101

■ 31.0448, 0.3586,
0.1977

■ 28.1143, 0.3665,
0.1897

■ 26.3804, 0.3742,
0.1865

■ 25.6162, 0.3804,
0.1869

Harmonies

Analogous

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



69.1002, 0.2865, 0.2711



69.1002, 0.3231, 0.2854



69.1002, 0.3587, 0.3098

Triad

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



69.1002, 0.3231, 0.2854



69.1002, 0.3678, 0.3896



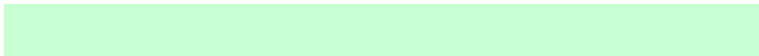
69.1002, 0.2481, 0.3120

Complementary

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



69.1002, 0.3231, 0.2854



88.5029, 0.3038, 0.3769

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.



69.1002, 0.2675, 0.3476



69.1002, 0.3231, 0.2854



69.1002, 0.3361, 0.3947

Square

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



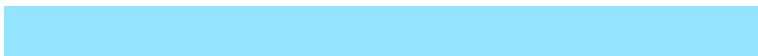
69.1002, 0.3231, 0.2854



69.1002, 0.3850, 0.3686



69.1002, 0.2993, 0.3792



69.1002, 0.2450, 0.2842

Rectangle

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



69.1002, 0.3231, 0.2854



69.1002, 0.3761, 0.3293



69.1002, 0.2993, 0.3792



69.1002, 0.2528, 0.3235

Sweetspot

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



69.0983, 0.3231, 0.2854



90.4279, 0.3153, 0.3172



62.3763, 0.2837, 0.2699



19.1422, 0.3156, 0.3159



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.



69.0983, 0.3231, 0.2854



63.9203, 0.3256, 0.2762



67.5513, 0.3437, 0.3123



18.2343, 0.3169, 0.3102



13.4069, 0.3793, 0.1863



1.3205, 0.3713, 0.1819

Inverse Universe

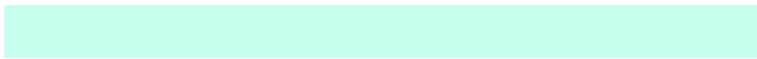
The Inverse Universe completely reimagines the original color for something new.



69.0983, 0.3231, 0.2854



63.9203, 0.3256, 0.2762



90.0015, 0.2890, 0.3465



18.2343, 0.3169, 0.3102



13.4069, 0.3793, 0.1863



1.3205, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 69.1002, 0.3231, 0.2854 looks on a white background.

Color Contrast Check

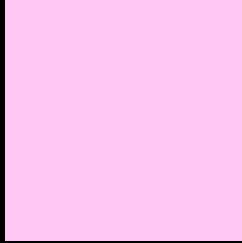
Large Text (above 18pt) WCAG AA × Fail

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 69.1002, 0.3231, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

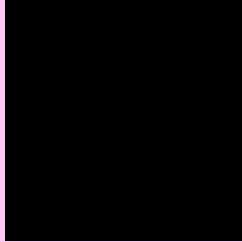
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1002, 0.3231, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 69.1002, 0.3231, 0.2854.



This preview shows how white text looks on a background with the Yxy color 69.1002, 0.3231, 0.2854.

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

69.1002, 0.3231, 0.2854

Protanopia

69.4583, 0.2844, 0.2873

Deuteranopia

69.1681, 0.3027, 0.2962



Tritanopia

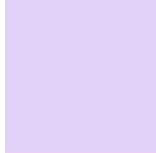
69.0485, 0.3381, 0.3127

Trichromacy



Original Color

69.1002, 0.3231, 0.2854



Protanomaly

69.1641, 0.2976, 0.2872



Deuteranomaly

69.1012, 0.3101, 0.2918



Tritanomaly

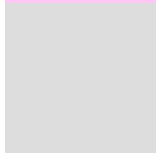
69.2517, 0.3323, 0.3027

Monochromacy



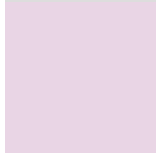
Original Color

69.1002, 0.3231, 0.2854



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.5693, 0.3164, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1002, 0.3231, 0.2854 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 244) }
```

Border

The CSS property to change the border of an element to Yxy 69.1002, 0.3231, 0.2854 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, 244) }
```

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

```
.border{ border-color:rgb(255, 200, 244) }
```

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, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1002, 0.3231, 0.2854 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, 244) }
```

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

```
.background{ background-color: rgb(255,  
200, 244) }
```

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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