

Converting Colors

$Y_{xy}(74.1641, 0.3405, 0.2894)$

Have a look what the booklet for
Yxy(74.1641, 0.3405, 0.2894)
contains.

Yxy(69.5044, 0.3237, 0.2873)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.5044, 0.3237, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9F3
RGB	255, 201, 243
RGB Percent	100%, 79%, 95%
CMY	0.0000, 0.2118, 0.0469
CMYK	0.00, 0.21, 0.05, 0.00
HSL	313°, 100%, 89%
HSV	313°, 21%, 100%
XYZ	78.3104, 69.5044, 94.1079
YIQ	221.9340, 18.7020, 24.5100

Conversions

Conversions Part 2

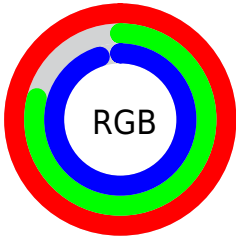
Format	Color
R _Y B	255, 201, 243
Decimal	16763379
CIE Lab	86.75, 25.84, -13.35
CIE LCh	87, 29.081, 332.675
Yxy	69.5044, 0.3237, 0.2873
Android (android.graphics.Color)	4294953459 (0xFFFFC9F3)
YUV	221.9340, 10.3855, 28.9989
Hunter-Lab	83.3693, 21.7722, -8.5685

Details

The Yxy color **69.5044, 0.3237, 0.2873** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.7396, 0.3034, 0.3746**, and the grayscale version is **72.9146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4611, 0.3260, 0.2784** is the 20% darker color. If you saturate the color by 10%, you get **58.2512, 0.3301, 0.2671**, and if you desaturate by 10%, it is **82.7441, 0.3181, 0.3074**.

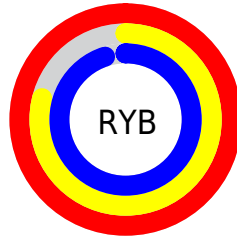
Distribution



Red (100%)

Green (79%)

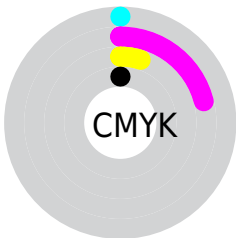
Blue (95%)



Red (100%)

Yellow (79%)

Blue (95%)

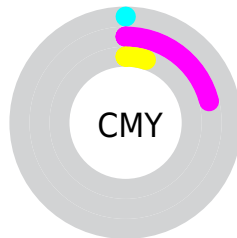


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (21%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5044, 0.3237, 0.2873 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 69.5044, 0.3237, 0.2873 by changing the saturation by 10% instead.

 69.5044, 0.3237,
0.2873

 69.5044, 0.3237,
0.2873


458.8079, 0.3189,
0.3061

 51.1226, 0.3247,
0.2831


118.5017, 0.3221,
0.2937

 36.3062, 0.3260,
0.2781

149.8860, 0.3214,
0.2962

 24.6708, 0.3275,
0.2717


186.3733, 0.3209,
0.2984

 15.8319, 0.3294,
0.2636

228.3479, 0.3204,
0.3003

 9.4053, 0.3319,
0.2529

276.1943, 0.3200,
0.3020

 5.0065, 0.3352,
0.2379

330.2969, 0.3196,

 2.2511, 0.3398,

0.3035

0.2159

391.0399, 0.3192,
0.3049

0.7476, 0.3467,
0.1792

0.0000, 0.3479,
0.0000

69.5044, 0.3237,
0.2873

69.5044, 0.3237,
0.2873

58.2512, 0.3301,
0.2671

82.7441, 0.3181,
0.3074

48.8832, 0.3374,
0.2474

98.0571, 0.3132,
0.3268

41.2961, 0.3454,
0.2291

100.0000, 0.3127,
0.3290

35.3736, 0.3539,
0.2134

■ 30.9859, 0.3628,
0.2011

■ 27.9837, 0.3718,
0.1933

■ 26.1877, 0.3805,
0.1902

■ 25.3600, 0.3879,
0.1910

Harmonies

Analogous

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



69.5044, 0.2883, 0.2732



69.5044, 0.3237, 0.2873



69.5044, 0.3578, 0.3111

Triad

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



69.5044, 0.3237, 0.2873



69.5044, 0.3653, 0.3879



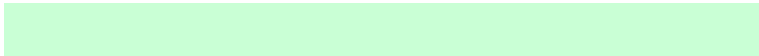
69.5044, 0.2500, 0.3119

Complementary

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



69.5044, 0.3237, 0.2873



88.7396, 0.3034, 0.3746

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.



69.5044, 0.2684, 0.3461



69.5044, 0.3237, 0.2873



69.5044, 0.3345, 0.3922

Square

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



69.5044, 0.3237, 0.2873



69.5044, 0.3823, 0.3680



69.5044, 0.2990, 0.3767



69.5044, 0.2474, 0.2853

Rectangle

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



69.5044, 0.3237, 0.2873



69.5044, 0.3744, 0.3302



69.5044, 0.2990, 0.3767



69.5044, 0.2544, 0.3229

Sweetspot

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



69.5057, 0.3237, 0.2873



90.4072, 0.3155, 0.3175



63.0938, 0.2849, 0.2712



19.1373, 0.3158, 0.3163



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.



69.5057, 0.3237, 0.2873



64.9741, 0.3261, 0.2795



68.0060, 0.3437, 0.3135



18.2274, 0.3172, 0.3107



13.2746, 0.3865, 0.1903



1.3087, 0.3775, 0.1853

Inverse Universe

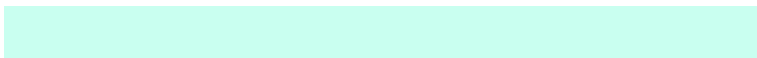
The Inverse Universe completely reimagines the original color for something new.



69.5057, 0.3237, 0.2873



64.9741, 0.3261, 0.2795



90.2107, 0.2890, 0.3451



18.2274, 0.3172, 0.3107



13.2746, 0.3865, 0.1903



1.3087, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 69.5044, 0.3237, 0.2873 looks on a white background.

Color Contrast Check

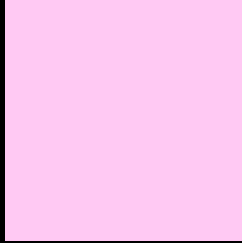
Large Text (above 18pt) WCAG AA × Fail

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 69.5044, 0.3237, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

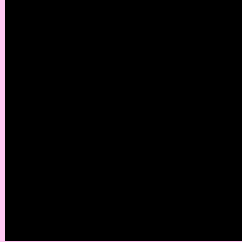
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5044, 0.3237, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 69.5044, 0.3237, 0.2873.



This preview shows how white text looks on a background with the Yxy color 69.5044, 0.3237, 0.2873.

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

69.5044, 0.3237, 0.2873

Protanopia

70.0525, 0.2857, 0.2895

Deuteranopia

69.9318, 0.3048, 0.2985



Tritanopia

69.5785, 0.3372, 0.3127

Trichromacy



Original Color

69.5044, 0.3237, 0.2873



Protanomaly

69.7590, 0.2989, 0.2893



Deuteranomaly

69.6997, 0.3114, 0.2940



Tritanomaly

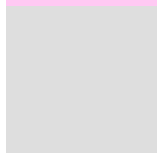
69.7255, 0.3322, 0.3038

Monochromacy



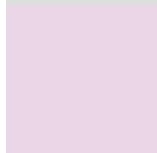
Original Color

69.5044, 0.3237, 0.2873



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.2987, 0.3164, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5044, 0.3237, 0.2873 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, 201, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 243)  
}
```

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, 201, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 243) }
```

Border

The CSS property to change the border of an element to Yxy 69.5044, 0.3237, 0.2873 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, 201, 243) }
```

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

```
.border{ border-color:rgb(255, 201, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5044, 0.3237, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 243) }
```

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

```
.background{ background-color: rgb(255,  
201, 243) }
```

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