

Converting Colors

$Y_{xy}(71.1069, 0.3213, 0.2874)$

Have a look what the booklet for
Yxy(71.1069, 0.3213, 0.2874)
contains.

Yxy(71.0996, 0.3214, 0.2875)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.0996, 0.3214, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF6
RGB	255, 204, 246
RGB Percent	100%, 80%, 96%
CMY	0.0000, 0.2001, 0.0353
CMYK	0.00, 0.20, 0.04, 0.00
HSL	311°, 100%, 90%
HSV	311°, 20%, 100%
XYZ	79.4832, 71.0996, 96.7202
YIQ	224.0370, 16.9140, 23.8740

Conversions

Conversions Part 2

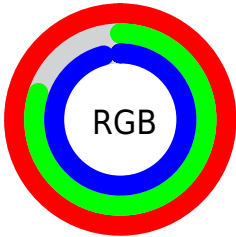
Format	Color
R _Y B	255, 204, 246
Decimal	16764150
CIE Lab	87.53, 24.80, -13.75
CIE LCh	88, 28.359, 330.994
Yxy	71.0996, 0.3214, 0.2875
Android (android.graphics.Color)	4294954230 (0xFFFFCCF6)
YUV	224.0370, 10.8278, 27.1546
Hunter-Lab	84.3206, 20.6986, -8.9844

Details

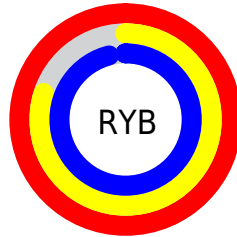
The Yxy color **71.0996, 0.3214, 0.2875** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.1583, 0.3051, 0.3744**, and the grayscale version is **74.4725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5362, 0.3229, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **59.6739, 0.3266, 0.2662**, and if you desaturate by 10%, it is **84.4995, 0.3167, 0.3086**.

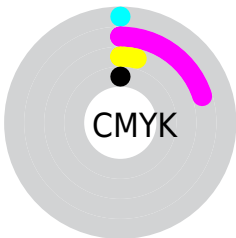
Distribution



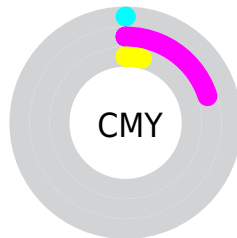
- Red (100%)
- Green (80%)
- Blue (96%)



- Red (100%)
- Yellow (80%)
- Blue (96%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0996, 0.3214, 0.2875 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 71.0996, 0.3214, 0.2875 by changing the saturation by 10% instead.


 71.0996, 0.3214,
0.2875

 71.0996, 0.3214,
0.2875


464.4015, 0.3177,
0.3061

 52.4235, 0.3222,
0.2834


120.7755, 0.3202,
0.2938

 37.3427, 0.3231,
0.2784


152.5441, 0.3197,
0.2963

 25.4730, 0.3243,
0.2721


189.4457, 0.3192,
0.2985

 16.4298, 0.3257,
0.2642

231.8646, 0.3188,
0.3004

 9.8288, 0.3275,
0.2536

280.1852, 0.3185,
0.3021

 5.2856, 0.3298,
0.2391


334.7920, 0.3182,


 2.4158, 0.3327,


0.3036


0.2177

396.0693, 0.3179,
0.3049

 0.8340, 0.3365,
0.1835


 0.0000, 0.3425,
0.0000

 71.0996, 0.3214,
0.2875


 71.0996, 0.3214,
0.2875

 59.6739, 0.3266,
0.2662

 84.4995, 0.3167,
0.3086

 50.1511, 0.3324,
0.2455

99.9888, 0.3127,
0.3290

 42.4183, 0.3388,
0.2262

100.0000, 0.3127,
0.3290

 36.3607, 0.3456,
0.2094

■ 31.8503, 0.3525,
0.1961

■ 28.7406, 0.3594,
0.1871

■ 26.8567, 0.3661,
0.1828

■ 25.9133, 0.3724,
0.1825

Harmonies

Analogous

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



71.0996, 0.2873, 0.2744



71.0996, 0.3214, 0.2875



71.0996, 0.3547, 0.3102

Triad

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



71.0996, 0.3214, 0.2875



71.0996, 0.3650, 0.3853



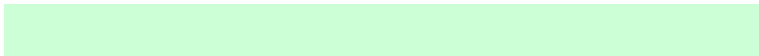
71.0996, 0.2525, 0.3143

Complementary

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



71.0996, 0.3214, 0.2875



89.1583, 0.3051, 0.3744

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.



71.0996, 0.2712, 0.3474



71.0996, 0.3214, 0.2875



71.0996, 0.3357, 0.3903

Square

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



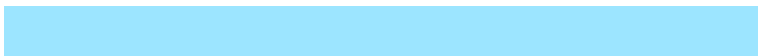
71.0996, 0.3214, 0.2875



71.0996, 0.3805, 0.3655



71.0996, 0.3014, 0.3764



71.0996, 0.2491, 0.2879

Rectangle

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



71.0996, 0.3214, 0.2875



71.0996, 0.3713, 0.3286



71.0996, 0.3014, 0.3764



71.0996, 0.2571, 0.3250

Sweetspot

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



71.0912, 0.3214, 0.2875



90.4510, 0.3151, 0.3169



64.4669, 0.2849, 0.2744



19.1477, 0.3153, 0.3155



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.



71.0912, 0.3214, 0.2875



66.2985, 0.3234, 0.2790



69.6574, 0.3397, 0.3118



18.2421, 0.3165, 0.3096



13.5603, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Inverse Universe

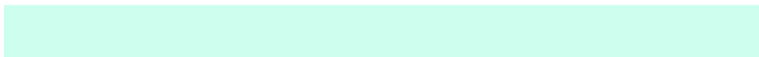
The Inverse Universe completely reimagines the original color for something new.



71.0912, 0.3214, 0.2875



66.2985, 0.3234, 0.2790



90.5276, 0.2916, 0.3469



18.2421, 0.3165, 0.3096



13.5603, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 71.0996, 0.3214, 0.2875 looks on a white background.

Color Contrast Check

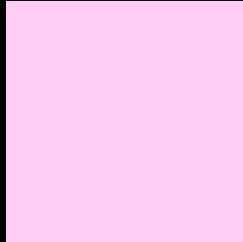
Large Text (above 18pt) WCAG AA × Fail

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 71.0996, 0.3214, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

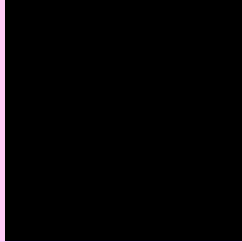
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0996, 0.3214, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 71.0996, 0.3214, 0.2875.



This preview shows how white text looks on a background with the Yxy color 71.0996, 0.3214, 0.2875.

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

71.0996, 0.3214, 0.2875

Protanopia

71.5089, 0.2860, 0.2898

Deuteranopia

71.4478, 0.3042, 0.2977



Tritanopia

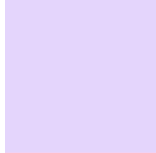
71.1890, 0.3346, 0.3128

Trichromacy



Original Color

71.0996, 0.3214, 0.2875



Protanomaly

71.1108, 0.2977, 0.2886



Deuteranomaly

71.0365, 0.3100, 0.2932



Tritanomaly

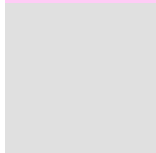
71.3345, 0.3296, 0.3039

Monochromacy



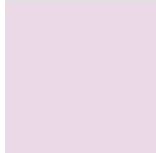
Original Color

71.0996, 0.3214, 0.2875



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

73.1141, 0.3156, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0996, 0.3214, 0.2875 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, 204, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 246)  
}
```

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, 204, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 246) }
```

Border

The CSS property to change the border of an element to Yxy 71.0996, 0.3214, 0.2875 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, 204, 246) }
```

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

```
.border{ border-color:rgb(255, 204, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0996, 0.3214, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 246) }
```

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

```
.background{ background-color: rgb(255,  
204, 246) }
```

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