

Converting Colors

$Y_{xy}(70.8715, 0.3240, 0.2911)$

Have a look what the booklet for
Yxy(70.8715, 0.3240, 0.2911)
contains.

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Color

Yxy(70.8565, 0.3242, 0.2913)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF2
RGB	255, 204, 242
RGB Percent	100%, 80%, 95%
CMY	0.0000, 0.2000, 0.0510
CMYK	0.00, 0.20, 0.05, 0.00
HSL	315°, 100%, 90%
HSV	315°, 20%, 100%
XYZ	78.8592, 70.8565, 93.5267
YIQ	223.5810, 18.1980, 22.6300

Conversions

Conversions Part 2

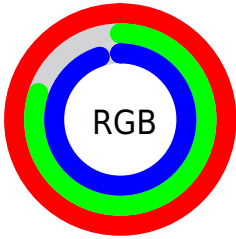
Format	Color
RYB	255, 204, 242
Decimal	16764146
CIELab	87.42, 24.08, -11.82
CIELCh	87, 26.818, 333.860
Yxy	70.8565, 0.3242, 0.2913
Android (android.graphics.Color)	4294954226 (0xFFFFCCF2)
YUV	223.5810, 9.0806, 27.5545
Hunter-Lab	84.1763, 19.9162, -6.9526

Details

The Yxy color $70.8565, 0.3242, 0.2913$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.3667, 0.3029, 0.3699$, and the grayscale version is $74.1531, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3636, 0.3266, 0.2834$ is the 20% darker color. If you saturate the color by 10%, you get $59.3300, 0.3314, 0.2718$, and if you desaturate by 10%, it is $84.3875, 0.3180, 0.3105$.

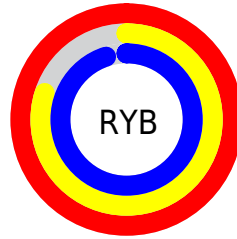
Distribution



Red (100%)

Green (80%)

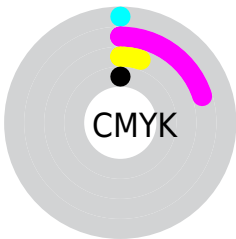
Blue (95%)



Red (100%)

Yellow (80%)

Blue (95%)

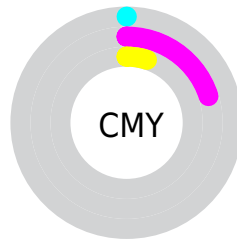


Cyan (0%)

Magenta (20%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8565, 0.3242, 0.2913 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 70.8565, 0.3242, 0.2913 by changing the saturation by 10% instead.


 70.8565, 0.3242,
0.2913

 70.8565, 0.3242,
0.2913

463.5516, 0.3191,
0.3083

 52.2251, 0.3253,
0.2875


120.4294, 0.3225,
0.2971

 37.1845, 0.3266,
0.2829


152.1396, 0.3218,
0.2994

 25.3504, 0.3283,
0.2772

188.9783, 0.3212,
0.3014

 16.3383, 0.3304,
0.2699

231.3298, 0.3207,
0.3031

 9.7639, 0.3331,
0.2601

279.5785, 0.3202,
0.3046

 5.2427, 0.3369,
0.2465


334.1087, 0.3198,


 2.3903, 0.3422,

0.3060

0.2264


395.3050, 0.3195,
0.3072


 0.8209, 0.3502,
0.1936


 0.0000, 0.3803,
0.0000

 70.8565, 0.3242,
0.2913


 70.8565, 0.3242,
0.2913

 59.3300, 0.3314,
0.2718

 84.3875, 0.3180,
0.3105

 49.7020, 0.3395,
0.2527

99.9996, 0.3127,
0.3290

 41.8711, 0.3486,
0.2348

99.9996, 0.3127,
0.3290

 35.7223, 0.3584,
0.2193

■ 31.1277, 0.3688,
0.2071

■ 27.9405, 0.3794,
0.1992

■ 25.9859, 0.3898,
0.1962

■ 24.9783, 0.3998,
0.1976

■ 24.9780, 0.3998,
0.1976

Harmonies

Analogous

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



70.8565, 0.2915, 0.2778



70.8565, 0.3242, 0.2913



70.8565, 0.3551, 0.3137

Triad

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



70.8565, 0.3242, 0.2913



70.8565, 0.3601, 0.3835



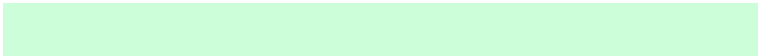
70.8565, 0.2546, 0.3124

Complementary

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



70.8565, 0.3242, 0.2913



89.3667, 0.3029, 0.3699

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.



70.8565, 0.2711, 0.3435



70.8565, 0.3242, 0.2913



70.8565, 0.3316, 0.3864

Square

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



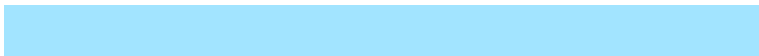
70.8565, 0.3242, 0.2913



70.8565, 0.3762, 0.3659



70.8565, 0.2990, 0.3716



70.8565, 0.2528, 0.2883

Rectangle

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



70.8565, 0.3242, 0.2913



70.8565, 0.3698, 0.3313



70.8565, 0.2990, 0.3716



70.8565, 0.2586, 0.3224

Sweetspot

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



70.8596, 0.3242, 0.2913



90.3751, 0.3158, 0.3180



65.1230, 0.2878, 0.2749



19.1297, 0.3161, 0.3168



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.



70.8596, 0.3242, 0.2913



66.0105, 0.3269, 0.2835



69.4456, 0.3429, 0.3161



18.2166, 0.3177, 0.3115



13.0773, 0.3982, 0.1967



1.2910, 0.3874, 0.1908

Inverse Universe

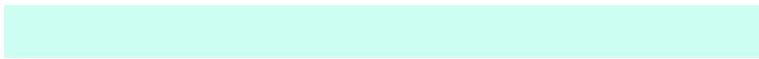
The Inverse Universe completely reimagines the original color for something new.



70.8596, 0.3242, 0.2913



66.0105, 0.3269, 0.2835



90.7828, 0.2893, 0.3423



18.2166, 0.3177, 0.3115



13.0773, 0.3982, 0.1967



1.2910, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 70.8565, 0.3242, 0.2913 looks on a white background.

Color Contrast Check

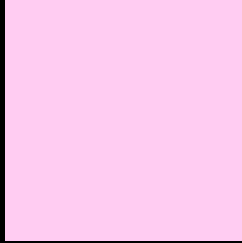
Large Text (above 18pt) WCAG AA × Fail

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 70.8565, 0.3242, 0.2913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

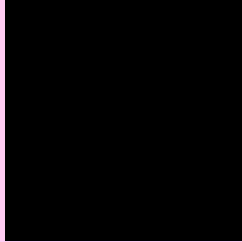
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8565, 0.3242, 0.2913

Background



This preview shows how black text looks on a background with the Yxy color 70.8565, 0.3242, 0.2913.



This preview shows how white text looks on a background with the Yxy color 70.8565, 0.3242, 0.2913.

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

70.8565, 0.3242, 0.2913

Protanopia

71.4040, 0.2890, 0.2939

Deuteranopia

70.8687, 0.3076, 0.3007



Tritanopia

70.6488, 0.3355, 0.3128

Trichromacy



Original Color

70.8565, 0.3242, 0.2913

Protanomaly

71.0238, 0.3009, 0.2926

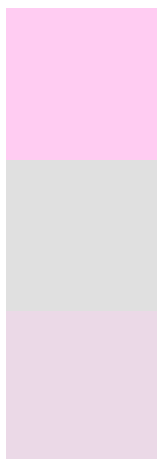
Deuteranomaly

70.9693, 0.3135, 0.2972

Tritanomaly

70.7384, 0.3312, 0.3048

Monochromacy



Original Color

70.8565, 0.3242, 0.2913

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.0574, 0.3163, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8565, 0.3242, 0.2913 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.8565, 0.3242, 0.2913 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, 242) }
```

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

```
.border{ border-color:rgb(255, 204, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8565, 0.3242, 0.2913 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
204, 242) }
```

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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