

Converting Colors

$Y_{xy}(70.5170, 0.3166, 0.2789)$

Have a look what the booklet for
Yxy(70.5170, 0.3166, 0.2789)
contains.

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Color

Yxy(70.5929, 0.3165, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAFD
RGB	255, 202, 253
RGB Percent	100%, 79%, 99%
CMY	0.0002, 0.2078, 0.0078
CMYK	0.00, 0.21, 0.01, 0.00
HSL	302°, 100%, 90%
HSV	302°, 21%, 100%
XYZ	80.0812, 70.5929, 102.3471
YIQ	223.6610, 15.2170, 27.0970

Conversions

Conversions Part 2

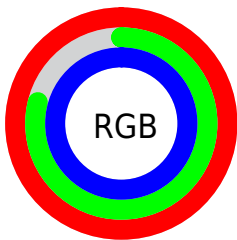
Format	Color
R _Y B	255, 202, 253
Decimal	16763645
CIE Lab	87.29, 27.04, -17.83
CIE LCh	87, 32.394, 326.596
Yxy	70.5929, 0.3165, 0.2790
Android (android.graphics.Color)	4294953725 (0xFFFFCAFD)
YUV	223.6610, 14.4641, 27.4843
Hunter-Lab	84.0196, 23.0986, -13.4094

Details

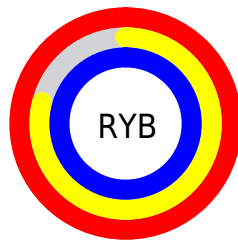
The Yxy color $70.5929, 0.3165, 0.2790$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.4125, 0.3089, 0.3847$, and the grayscale version is $74.1742, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.1711, 0.3175, 0.2692$ is the 20% darker color. If you saturate the color by 10%, you get $59.5425, 0.3185, 0.2548$, and if you desaturate by 10%, it is $83.6263, 0.3146, 0.3034$.

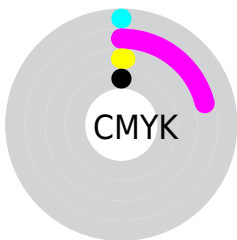
Distribution



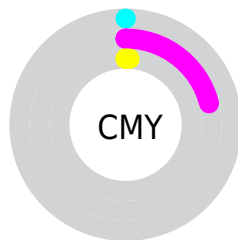
- Red (100%)
- Green (79%)
- Blue (99%)



- Red (100%)
- Yellow (79%)
- Blue (99%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5929, 0.3165, 0.2790 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 70.5929, 0.3165, 0.2790 by changing the saturation by 10% instead.


 70.5929, 0.3165,
0.2790

 70.5929, 0.3165,
0.2790


462.6291, 0.3152,
0.3013

 52.0100, 0.3167,
0.2741


120.0539, 0.3161,
0.2866

 37.0131, 0.3169,
0.2682


151.7008, 0.3159,
0.2896

 25.2176, 0.3172,
0.2608


188.4712, 0.3158,
0.2921

 16.2393, 0.3174,
0.2515

230.7494, 0.3156,
0.2944

 9.6936, 0.3174,
0.2392

278.9200, 0.3155,
0.2964

 5.1963, 0.3172,
0.2224


333.3671, 0.3154,


 2.3629, 0.3161,


0.2982

0.1981


394.4754, 0.3153,
0.2998


 0.8067, 0.3125,
0.1603


 0.0000, 0.2894,
0.0000


 70.5929, 0.3165,
0.2790


 70.5929, 0.3165,
0.2790


 59.5425, 0.3185,
0.2548


 83.6263, 0.3146,
0.3034

 50.3689, 0.3206,
0.2315

 98.7237, 0.3128,
0.3272

 42.9701, 0.3226,
0.2103

 99.9927, 0.3127,
0.3290

 37.2304, 0.3246,
0.1920

■ 33.0207, 0.3264,
0.1775

■ 30.1930, 0.3280,
0.1674

■ 28.5698, 0.3294,
0.1616

■ 27.8819, 0.3305,
0.1594

Harmonies

Analogous

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



70.5929, 0.2785, 0.2661



70.5929, 0.3165, 0.2790



70.5929, 0.3557, 0.3033

Triad

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



70.5929, 0.3165, 0.2790



70.5929, 0.3762, 0.3907



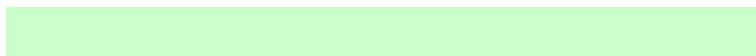
70.5929, 0.2463, 0.3171

Complementary

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



70.5929, 0.3165, 0.2790



88.4125, 0.3089, 0.3847

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.



70.5929, 0.2696, 0.3556



70.5929, 0.3165, 0.2790



70.5929, 0.3443, 0.4000

Square

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



70.5929, 0.3165, 0.2790



70.5929, 0.3912, 0.3658



70.5929, 0.3052, 0.3875



70.5929, 0.2399, 0.2853

Rectangle

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



70.5929, 0.3165, 0.2790



70.5929, 0.3764, 0.3235



70.5929, 0.3052, 0.3875



70.5929, 0.2523, 0.3297

Sweetspot

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



70.5960, 0.3165, 0.2790



90.5876, 0.3137, 0.3148



62.2748, 0.2789, 0.2713



19.1800, 0.3139, 0.3133



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.



70.5960, 0.3165, 0.2790



65.7009, 0.3173, 0.2687



69.0339, 0.3356, 0.3041



18.2882, 0.3144, 0.3064



14.5791, 0.3303, 0.1593



1.4230, 0.3292, 0.1587

Inverse Universe

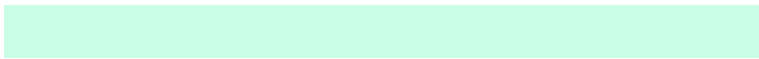
The Inverse Universe completely reimagines the original color for something new.



70.5960, 0.3165, 0.2790



65.7009, 0.3173, 0.2687



89.7822, 0.2946, 0.3553



18.2882, 0.3144, 0.3064



14.5791, 0.3303, 0.1593



1.4230, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 70.5929, 0.3165, 0.2790 looks on a white background.

Color Contrast Check

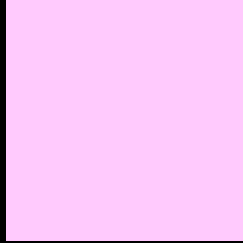
Large Text (above 18pt) WCAG AA × Fail

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 70.5929, 0.3165, 0.2790 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 70.5929, 0.3165, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 70.5929, 0.3165, 0.2790.

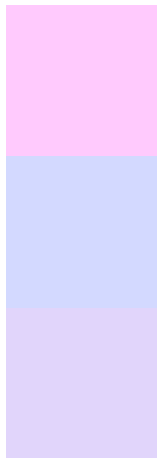


This preview shows how white text looks on a background with the Yxy color 70.5929, 0.3165, 0.2790.

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

70.5929, 0.3165, 0.2790

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.5611, 0.2963, 0.2893



Tritanopia

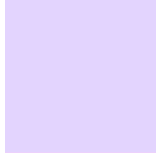
70.4626, 0.3347, 0.3127

Trichromacy



Original Color

70.5929, 0.3165, 0.2790



Protanomaly

70.5736, 0.2957, 0.2855



Deuteranomaly

70.4621, 0.3033, 0.2851



Tritanomaly

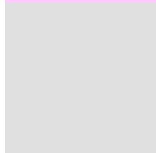
70.2986, 0.3276, 0.2998

Monochromacy



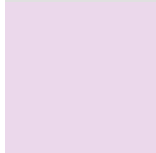
Original Color

70.5929, 0.3165, 0.2790



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

72.7721, 0.3136, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5929, 0.3165, 0.2790 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, 202, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 253)  
}
```

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, 202, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 253) }
```

Border

The CSS property to change the border of an element to Yxy 70.5929, 0.3165, 0.2790 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, 202, 253) }
```

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

```
.border{ border-color:rgb(255, 202, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5929, 0.3165, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 253) }
```

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

```
.background{ background-color: rgb(255,  
202, 253) }
```

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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