

Converting Colors

$Y_{xy}(70.8777, 0.3158, 0.2799)$

Have a look what the booklet for
Yxy(70.8777, 0.3158, 0.2799)
contains.

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Color

Yxy(70.8746, 0.3158, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	FECBFD
RGB	254, 203, 253
RGB Percent	100%, 80%, 99%
CMY	0.0038, 0.2039, 0.0079
CMYK	0.00, 0.20, 0.00, 0.00
HSL	301°, 96%, 90%
HSV	301°, 20%, 100%
XYZ	79.9650, 70.8746, 102.3744
YIQ	223.9490, 14.3460, 26.3620

Conversions

Conversions Part 2

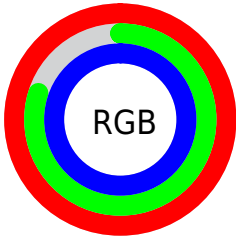
Format	Color
RYB	254, 203, 253
Decimal	16698365
CIELab	87.42, 26.22, -17.62
CIELCh	87, 31.590, 326.109
Yxy	70.8746, 0.3158, 0.2799
Android (android.graphics.Color)	4294888445 (0xFFFECEBFD)
YUV	223.9490, 14.3221, 26.3547
Hunter-Lab	84.1871, 22.2207, -13.1678

Details

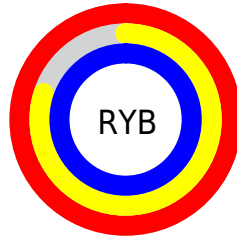
The Yxy color **70.8746, 0.3158, 0.2799** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.9645, 0.3095, 0.3835**, and the grayscale version is **74.3944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3507, 0.3164, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **59.8131, 0.3174, 0.2553**, and if you desaturate by 10%, it is **83.9082, 0.3142, 0.3046**.

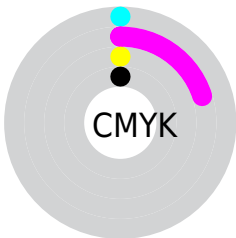
Distribution



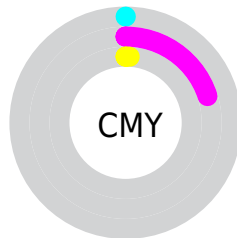
- Red (100%)
- Green (80%)
- Blue (99%)



- Red (100%)
- Yellow (80%)
- Blue (99%)



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




- Cyan (0%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8746, 0.3158, 0.2799 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 70.8746, 0.3158, 0.2799 by changing the saturation by 10% instead.


 70.8746, 0.3158,
0.2799

 70.8746, 0.3158,
0.2799


463.6150, 0.3148,
0.3018

 52.2399, 0.3160,
0.2751


120.4552, 0.3155,
0.2873

 37.1963, 0.3161,
0.2693


152.1698, 0.3154,
0.2903

 25.3595, 0.3162,
0.2620


189.0131, 0.3153,
0.2928

 16.3451, 0.3163,
0.2528

231.3696, 0.3151,
0.2951

 9.7687, 0.3162,
0.2407

279.6237, 0.3150,
0.2970

 5.2459, 0.3158,
0.2242


334.1596, 0.3149,


 2.3922, 0.3144,


0.2988

0.2003


395.3619, 0.3148,
0.3004


 0.8219, 0.3103,
0.1630


 0.0000, 0.2861,
0.0000


 70.8746, 0.3158,
0.2799


 70.8746, 0.3158,
0.2799

 59.8131, 0.3174,
0.2553


 83.9082, 0.3142,
0.3046


 50.6187, 0.3191,
0.2317

 98.9937, 0.3127,
0.3288

 43.1909, 0.3207,
0.2101

 99.7892, 0.3124,
0.3294

 37.4160, 0.3222,
0.1914

 99.8176, 0.3121,
0.3290

■ 33.1671, 0.3235,
0.1765

■ 30.2989, 0.3246,
0.1659

■ 28.6379, 0.3256,
0.1597

■ 27.9028, 0.3263,
0.1571

Harmonies

Analogous

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



70.8746, 0.2788, 0.2675



70.8746, 0.3158, 0.2799



70.8746, 0.3540, 0.3035

Triad

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



70.8746, 0.3158, 0.2799



70.8746, 0.3749, 0.3888



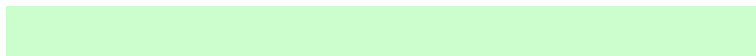
70.8746, 0.2482, 0.3180

Complementary

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



70.8746, 0.3158, 0.2799



87.9645, 0.3095, 0.3835

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.



70.8746, 0.2712, 0.3555



70.8746, 0.3158, 0.2799



70.8746, 0.3441, 0.3981

Square

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



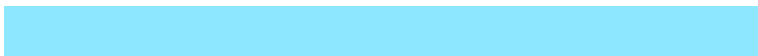
70.8746, 0.3158, 0.2799



70.8746, 0.3892, 0.3645



70.8746, 0.3060, 0.3862



70.8746, 0.2416, 0.2869

Rectangle

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



70.8746, 0.3158, 0.2799



70.8746, 0.3743, 0.3232



70.8746, 0.3060, 0.3862



70.8746, 0.2542, 0.3304

Sweetspot

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



70.8777, 0.3158, 0.2799



90.6033, 0.3136, 0.3146



62.6833, 0.2796, 0.2734



19.1838, 0.3137, 0.3130



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.



70.8777, 0.3158, 0.2799



66.8931, 0.3164, 0.2702



69.3701, 0.3341, 0.3041



18.2935, 0.3141, 0.3061



14.7089, 0.3262, 0.1570



1.4341, 0.3255, 0.1567

Inverse Universe

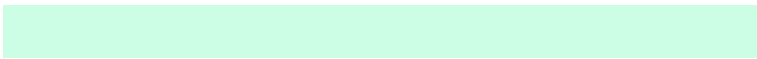
The Inverse Universe completely reimagines the original color for something new.



70.8777, 0.3158, 0.2799



66.8931, 0.3164, 0.2702



89.2800, 0.2956, 0.3553



18.2935, 0.3141, 0.3061



14.7089, 0.3262, 0.1570



1.4341, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 70.8746, 0.3158, 0.2799 looks on a white background.

Color Contrast Check

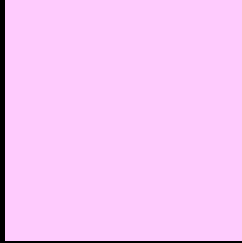
Large Text (above 18pt) WCAG AA × Fail

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 70.8746, 0.3158, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

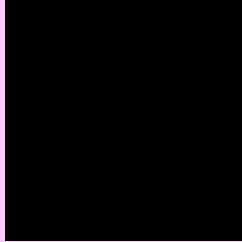
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8746, 0.3158, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 70.8746, 0.3158, 0.2799.



This preview shows how white text looks on a background with the Yxy color 70.8746, 0.3158, 0.2799.

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

70.8746, 0.3158, 0.2799

Protanopia

71.3599, 0.2853, 0.2897

Deuteranopia

71.2269, 0.2970, 0.2905



Tritanopia

70.8176, 0.3331, 0.3127

Trichromacy



Original Color

70.8746, 0.3158, 0.2799

Protanomaly

71.0752, 0.2957, 0.2865

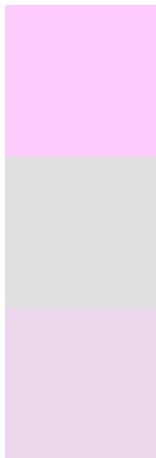
Deuteranomaly

70.9543, 0.3033, 0.2861

Tritanomaly

70.6500, 0.3261, 0.2998

Monochromacy



Original Color

70.8746, 0.3158, 0.2799

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 70.8746, 0.3158, 0.2799 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(254, 203, 253)` looks like.

```
.text, #text, p{  
    color:rgb(254, 203, 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(254, 203, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 203, 253) }
```

Border

The CSS property to change the border of an element to Yxy 70.8746, 0.3158, 0.2799 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(254, 203, 253) }
```

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

```
.border{ border-color:rgb(254, 203, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 203, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 203, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 203, 253);  
box-shadow:4px 4px 4px 4px rgb(254, 203,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8746, 0.3158, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 203, 253) }
```

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

```
.background{ background-color: rgb(254,  
203, 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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