

Converting Colors

$Y_{xy}(71.0451, 0.3123, 0.2789)$

Have a look what the booklet for
Yxy(71.0451, 0.3123, 0.2789)
contains.

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Color

Yxy(70.9150, 0.3121, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	FBCCFE
RGB	251, 204, 255
RGB Percent	98%, 80%, 100%
CMY	0.0159, 0.1999, 0.0000
CMYK	0.02, 0.20, 0.00, 0.00
HSL	295°, 100%, 90%
HSV	295°, 20%, 100%
XYZ	79.4136, 70.9150, 104.1206
YIQ	223.8670, 11.6410, 25.8250

Conversions

Conversions Part 2

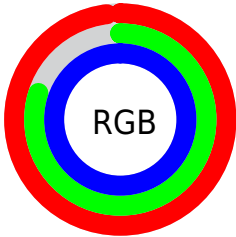
Format	Color
R _Y B	251, 204, 255
Decimal	16502015
CIE Lab	87.44, 25.05, -18.69
CIE LCh	87, 31.255, 323.275
Yxy	70.9150, 0.3121, 0.2787
Android (android.graphics.Color)	4294692095 (0xFFFBCCFF)
YUV	223.8670, 15.3486, 23.7956
Hunter-Lab	84.2110, 20.9617, -14.3599

Details

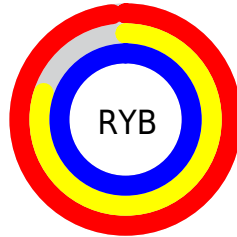
The Yxy color $70.9150, 0.3121, 0.2787$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.3020, 0.3126, 0.3840$, and the grayscale version is $74.3220, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3592, 0.3117, 0.2687$ is the 20% darker color. If you saturate the color by 10%, you get $59.3953, 0.3115, 0.2530$, and if you desaturate by 10%, it is $84.4276, 0.3125, 0.3043$.

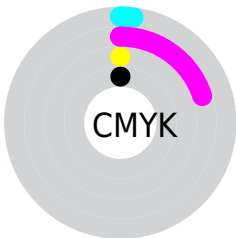
Distribution



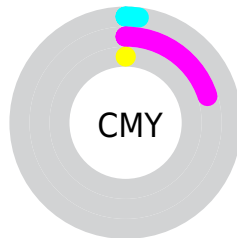
- Red (98%)
- Green (80%)
- Blue (100%)



- Red (98%)
- Yellow (80%)
- Blue (100%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9150, 0.3121, 0.2787 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 70.9150, 0.3121, 0.2787 by changing the saturation by 10% instead.


 70.9150, 0.3121,
0.2787

 70.9150, 0.3121,
0.2787


463.7562, 0.3128,
0.3011

 52.2728, 0.3119,
0.2738


120.5127, 0.3124,
0.2863

 37.2226, 0.3115,
0.2678


152.2370, 0.3125,
0.2893

 25.3799, 0.3110,
0.2604


189.0908, 0.3126,
0.2919

 16.3603, 0.3103,
0.2510

231.4585, 0.3126,
0.2942

 9.7795, 0.3092,
0.2386

279.7245, 0.3127,
0.2962

 5.2530, 0.3072,
0.2218

334.2732, 0.3127,

 2.3965, 0.3035,

0.2980

0.1974

395.4890, 0.3127,
0.2997

0.8241, 0.2955,
0.1597

0.0000, 0.2554,
0.0000

70.9150, 0.3121,
0.2787

70.9150, 0.3121,
0.2787

59.3953, 0.3115,
0.2530

84.4276, 0.3125,
0.3043

49.7654, 0.3106,
0.2281

100.0000, 0.3127,
0.3290

41.9231, 0.3095,
0.2049

35.7536, 0.3081,
0.1845

■ 31.1290, 0.3064,
0.1677

■ 27.9029, 0.3046,
0.1552

■ 25.9005, 0.3027,
0.1472

■ 24.8366, 0.3006,
0.1430

■ 24.8357, 0.3006,
0.1430

Harmonies

Analogous

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



70.9150, 0.2762, 0.2677



70.9150, 0.3121, 0.2787



70.9150, 0.3503, 0.3012

Triad

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



70.9150, 0.3121, 0.2787



70.9150, 0.3764, 0.3865



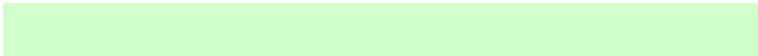
70.9150, 0.2503, 0.3216

Complementary

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



70.9150, 0.3121, 0.2787



89.3020, 0.3126, 0.3840

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.



70.9150, 0.2745, 0.3586



70.9150, 0.3121, 0.2787



70.9150, 0.3471, 0.3973

Square

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



70.9150, 0.3121, 0.2787



70.9150, 0.3886, 0.3615



70.9150, 0.3097, 0.3876



70.9150, 0.2422, 0.2898

Rectangle

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



70.9150, 0.3121, 0.2787



70.9150, 0.3712, 0.3204



70.9150, 0.3097, 0.3876



70.9150, 0.2568, 0.3339

Sweetspot

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



70.9172, 0.3121, 0.2787



90.3937, 0.3126, 0.3143



65.3060, 0.2795, 0.2783



19.1340, 0.3126, 0.3126



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.



70.9172, 0.3121, 0.2787



66.0634, 0.3119, 0.2684



70.3845, 0.3302, 0.2993



18.2226, 0.3125, 0.3055



13.0080, 0.3010, 0.1432



1.2874, 0.3034, 0.1445

Inverse Universe

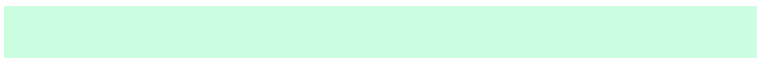
The Inverse Universe completely reimagines the original color for something new.



69.0156, 0.3495, 0.3250



63.8626, 0.3591, 0.3241



89.8116, 0.2984, 0.3608



18.0105, 0.3282, 0.3271



11.1439, 0.6317, 0.3254



1.0927, 0.6139, 0.3155

Previews

White Background



This preview shows how the Yxy color 70.9150, 0.3121, 0.2787 looks on a white background.

Color Contrast Check

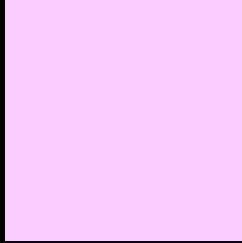
Large Text (above 18pt) WCAG AA × Fail

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 70.9150, 0.3121, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

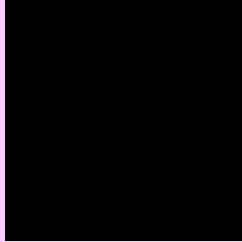
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9150, 0.3121, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 70.9150, 0.3121, 0.2787.



This preview shows how white text looks on a background with the Yxy color 70.9150, 0.3121, 0.2787.

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

70.9150, 0.3121, 0.2787

Protanopia

71.3599, 0.2853, 0.2897

Deuteranopia

71.1925, 0.2950, 0.2884



Tritanopia

70.8661, 0.3293, 0.3116

Trichromacy



Original Color

70.9150, 0.3121, 0.2787

Protanomaly

70.9773, 0.2944, 0.2855

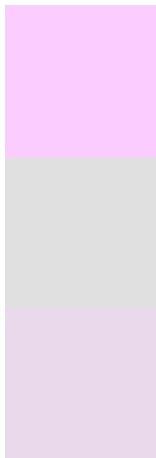
Deuteranomaly

70.7414, 0.3006, 0.2840

Tritanomaly

70.6965, 0.3223, 0.2986

Monochromacy



Original Color

70.9150, 0.3121, 0.2787

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.1163, 0.3129, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9150, 0.3121, 0.2787 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(251, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 204, 255)  
}
```

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(251, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.9150, 0.3121, 0.2787 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(251, 204, 255) }
```

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

```
.border{ border-color:rgb(251, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9150, 0.3121, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 204, 255) }
```

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

```
.background{ background-color: rgb(251,  
204, 255) }
```

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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