

Converting Colors

$Y_{xy}(85.5476, 0.3581, 0.2882)$

Have a look what the booklet for
Yxy(85.5476, 0.3581, 0.2882)
contains.

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Color

Yxy(72.5584, 0.3156, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEFE
RGB	255, 206, 254
RGB Percent	100%, 81%, 100%
CMY	0.0003, 0.1920, 0.0040
CMYK	0.00, 0.19, 0.00, 0.00
HSL	301°, 100%, 90%
HSV	301°, 19%, 100%
XYZ	81.1749, 72.5584, 103.4748
YIQ	226.1230, 13.7960, 25.3160

Conversions

Conversions Part 2

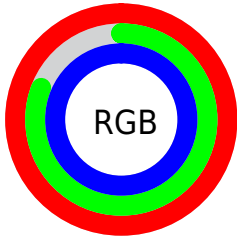
Format	Color
R _Y B	255, 206, 254
Decimal	16764670
CIE Lab	88.24, 25.09, -16.91
CIE LCh	88, 30.258, 326.014
Yxy	72.5584, 0.3156, 0.2821
Android (android.graphics.Color)	4294954750 (0xFFFFCEFE)
YUV	226.1230, 13.7434, 25.3251
Hunter-Lab	85.1812, 21.0374, -12.3963

Details

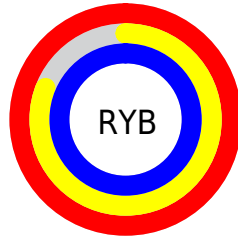
The Yxy color $72.5584, 0.3156, 0.2821$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.0988, 0.3097, 0.3808$, and the grayscale version is $76.0355, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.1702, 0.3164, 0.2718$ is the 20% darker color. If you saturate the color by 10%, you get $61.2326, 0.3172, 0.2574$, and if you desaturate by 10%, it is $85.8811, 0.3141, 0.3068$.

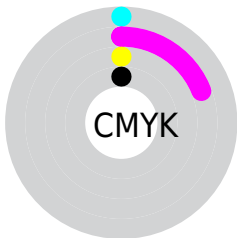
Distribution



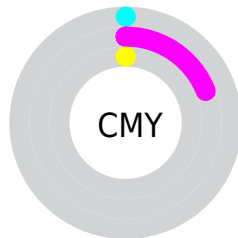
- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5584, 0.3156, 0.2821 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 72.5584, 0.3156, 0.2821 by changing the saturation by 10% instead.


 72.5584, 0.3156,
0.2821

 72.5584, 0.3156,
0.2821


469.4829, 0.3146,
0.3030

 53.6150, 0.3157,
0.2775


122.8501, 0.3153,
0.2892

 38.2939, 0.3159,
0.2720


154.9671, 0.3152,
0.2920

 26.2109, 0.3160,
0.2651

192.2442, 0.3151,
0.2944

 16.9815, 0.3161,
0.2564

235.0656, 0.3150,
0.2965

 10.2213, 0.3160,
0.2449

283.8157, 0.3149,
0.2984

 5.5459, 0.3157,
0.2292


338.8791, 0.3148,


 2.5710, 0.3145,

0.3001

0.2066


400.6400, 0.3147,
0.3016


 0.9121, 0.3109,
0.1715

 0.0000, 0.3056,
0.0000

 72.5584, 0.3156,
0.2821


 72.5584, 0.3156,
0.2821

 61.2326, 0.3172,
0.2574


 85.8811, 0.3141,
0.3068

 51.7985, 0.3188,
0.2337

99.9815, 0.3127,
0.3290

 44.1554, 0.3204,
0.2118

99.9843, 0.3127,
0.3290

 38.1899, 0.3218,
0.1928

■ 33.7752, 0.3231,
0.1775

■ 30.7669, 0.3242,
0.1665

■ 28.9932, 0.3251,
0.1599

■ 28.1965, 0.3258,
0.1570

■ 28.1482, 0.3259,
0.1569

Harmonies

Analogous

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



72.5584, 0.2804, 0.2704



72.5584, 0.3156, 0.2821



72.5584, 0.3519, 0.3046

Triad

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



72.5584, 0.3156, 0.2821



72.5584, 0.3720, 0.3859



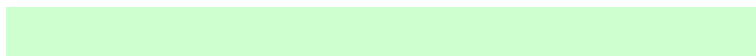
72.5584, 0.2513, 0.3188

Complementary

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



72.5584, 0.3156, 0.2821



89.0988, 0.3097, 0.3808

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.



72.5584, 0.2733, 0.3543



72.5584, 0.3156, 0.2821



72.5584, 0.3428, 0.3946

Square

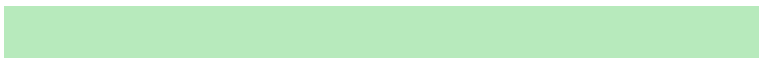
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



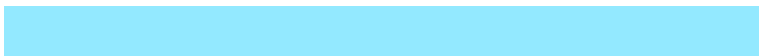
72.5584, 0.3156, 0.2821



72.5584, 0.3854, 0.3629



72.5584, 0.3066, 0.3832



72.5584, 0.2449, 0.2891

Rectangle

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



72.5584, 0.3156, 0.2821



72.5584, 0.3711, 0.3235



72.5584, 0.3066, 0.3832



72.5584, 0.2570, 0.3305

Sweetspot

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



72.5616, 0.3156, 0.2821



90.6048, 0.3136, 0.3146



64.6222, 0.2813, 0.2762



19.1841, 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.



72.5616, 0.3156, 0.2821



68.0457, 0.3162, 0.2726



71.1014, 0.3329, 0.3053



18.2940, 0.3141, 0.3060



14.7217, 0.3258, 0.1568



1.4352, 0.3252, 0.1565

Inverse Universe

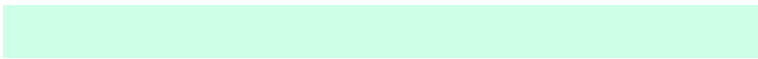
The Inverse Universe completely reimagines the original color for something new.



72.5616, 0.3156, 0.2821



68.0457, 0.3162, 0.2726



90.3810, 0.2963, 0.3540



18.2940, 0.3141, 0.3060



14.7217, 0.3258, 0.1568



1.4352, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 72.5584, 0.3156, 0.2821 looks on a white background.

Color Contrast Check

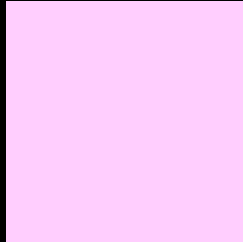
Large Text (above 18pt) WCAG AA × Fail

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 72.5584, 0.3156, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

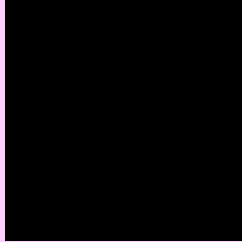
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5584, 0.3156, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 72.5584, 0.3156, 0.2821.



This preview shows how white text looks on a background with the Yxy color 72.5584, 0.3156, 0.2821.

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

72.5584, 0.3156, 0.2821

Protanopia

72.8535, 0.2873, 0.2921

Deuteranopia

72.7980, 0.2984, 0.2918



Tritanopia

72.6438, 0.3313, 0.3128

Trichromacy



Original Color

72.5584, 0.3156, 0.2821



Protanomaly

72.6439, 0.2972, 0.2879



Deuteranomaly

72.3560, 0.3040, 0.2874



Tritanomaly

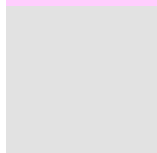
72.4108, 0.3251, 0.3009

Monochromacy



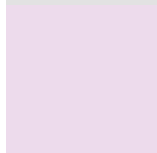
Original Color

72.5584, 0.3156, 0.2821



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

74.7237, 0.3142, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5584, 0.3156, 0.2821 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, 206, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 254)  
}
```

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, 206, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 254) }
```

Border

The CSS property to change the border of an element to Yxy 72.5584, 0.3156, 0.2821 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, 206, 254) }
```

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

```
.border{ border-color:rgb(255, 206, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5584, 0.3156, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 254) }
```

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

```
.background{ background-color: rgb(255,  
206, 254) }
```

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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