

Converting Colors

$Yxy(68.6963, 0.3032, 0.2773)$

Have a look what the booklet for
Yxy(68.6963, 0.3032, 0.2773)
contains.

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Color

Yxy(68.7565, 0.3035, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	EFCCFF
RGB	239, 204, 255
RGB Percent	94%, 80%, 100%
CMY	0.0626, 0.2000, 0.0000
CMYK	0.06, 0.20, 0.00, 0.00
HSL	281°, 100%, 90%
HSV	281°, 20%, 100%
XYZ	75.2528, 68.7565, 103.9406
YIQ	220.2790, 4.4890, 23.2810

Conversions

Conversions Part 2

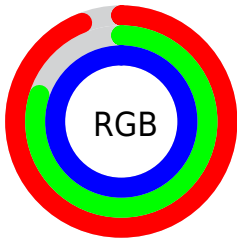
Format	Color
R _Y B	239, 204, 255
Decimal	15715583
CIE _{Lab}	86.38, 21.25, -20.40
CIE _{LCh}	86, 29.459, 316.162
Yxy	68.7565, 0.3035, 0.2773
Android (android.graphics.Color)	4293905663 (0xFFEFCCFF)
YUV	220.2790, 17.1175, 16.4183
Hunter-Lab	82.9195, 16.8867, -16.2770

Details

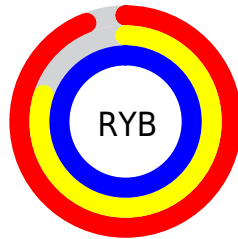
The Yxy color $68.7565, 0.3035, 0.2773$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.0868, 0.3201, 0.3828$, and the grayscale version is $71.6532, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.9572, 0.3014, 0.2667$ is the 20% darker color. If you saturate the color by 10%, you get $56.2540, 0.2977, 0.2498$, and if you desaturate by 10%, it is $83.3062, 0.3085, 0.3039$.

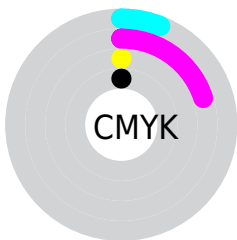
Distribution



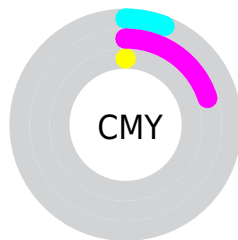
- Red (94%)
- Green (80%)
- Blue (100%)



- Red (94%)
- Yellow (80%)
- Blue (100%)



- Cyan (6%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7565, 0.3035, 0.2773 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 68.7565, 0.3035, 0.2773 by changing the saturation by 10% instead.


 68.7565, 0.3035,
0.2773

 68.7565, 0.3035,
0.2773


456.1717, 0.3081,
0.3005

 50.5134, 0.3024,
0.2722


117.4337, 0.3052,
0.2852

 35.8215, 0.3009,
0.2659


148.6367, 0.3058,
0.2883

 24.2964, 0.2990,
0.2582


184.9283, 0.3063,
0.2910

 15.5536, 0.2965,
0.2483

226.6931, 0.3068,
0.2934

 9.2088, 0.2928,
0.2352

274.3155, 0.3072,
0.2955

 4.8777, 0.2873,
0.2173

328.1798, 0.3076,

 2.1757, 0.2782,

0.2973

0.1914

388.6704, 0.3079,
0.2990

0.7067, 0.2616,
0.1490

0.0000, 0.1224,
0.0000

68.7565, 0.3035,
0.2773

68.7565, 0.3035,
0.2773

56.2540, 0.2977,
0.2498

83.3062, 0.3085,
0.3039

45.6991, 0.2909,
0.2220

99.9914, 0.3127,
0.3290

36.9874, 0.2834,
0.1950

100.0000, 0.3127,
0.3290

30.0033, 0.2753,
0.1701

■ 24.6180, 0.2668,
0.1484

■ 20.6842, 0.2581,
0.1310

■ 18.0263, 0.2497,
0.1185

■ 16.3582, 0.2417,
0.1105

Harmonies

Analogous

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



68.7565, 0.2711, 0.2699



68.7565, 0.3035, 0.2773



68.7565, 0.3403, 0.2966

Triad

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



68.7565, 0.3035, 0.2773



68.7565, 0.3779, 0.3792



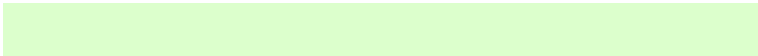
68.7565, 0.2574, 0.3304

Complementary

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



68.7565, 0.3035, 0.2773



91.0868, 0.3201, 0.3828

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.



68.7565, 0.2836, 0.3648



68.7565, 0.3035, 0.2773



68.7565, 0.3533, 0.3932

Square

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



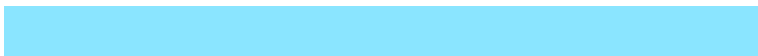
68.7565, 0.3035, 0.2773



68.7565, 0.3847, 0.3534



68.7565, 0.3186, 0.3887



68.7565, 0.2457, 0.2980

Rectangle

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



68.7565, 0.3035, 0.2773



68.7565, 0.3620, 0.3141



68.7565, 0.3186, 0.3887



68.7565, 0.2647, 0.3422

Sweetspot

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



68.7572, 0.3035, 0.2773



89.7270, 0.3103, 0.3142



71.3164, 0.2803, 0.2915



18.9761, 0.3100, 0.3125



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.



68.7572, 0.3035, 0.2773



63.5219, 0.3013, 0.2664



71.0721, 0.3216, 0.2878



17.9986, 0.3088, 0.3052



8.6305, 0.2430, 0.1112



0.8984, 0.2520, 0.1162

Inverse Universe

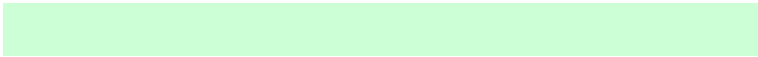
The Inverse Universe completely reimagines the original color for something new.



69.6045, 0.3405, 0.3129



64.5561, 0.3475, 0.3095



89.1770, 0.3049, 0.3740



18.0807, 0.3245, 0.3216



11.4334, 0.5722, 0.2926



1.1319, 0.5402, 0.2750

Previews

White Background



This preview shows how the Yxy color 68.7565, 0.3035, 0.2773 looks on a white background.

Color Contrast Check

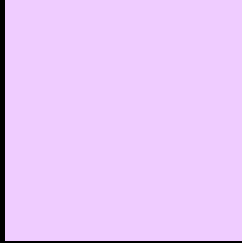
Large Text (above 18pt) WCAG AA × Fail

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 68.7565, 0.3035, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

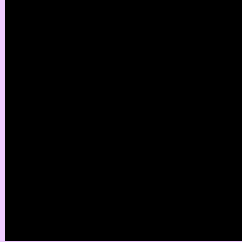
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

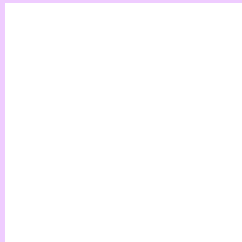
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7565, 0.3035, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 68.7565, 0.3035, 0.2773.

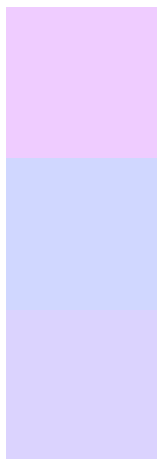


This preview shows how white text looks on a background with the Yxy color 68.7565, 0.3035, 0.2773.

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

68.7565, 0.3035, 0.2773

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.8044, 0.2903, 0.2837



Tritanopia

68.7541, 0.3203, 0.3111

Trichromacy



Original Color

68.7565, 0.3035, 0.2773

Protanomaly

68.8686, 0.2896, 0.2827

Deuteranomaly

68.4363, 0.2950, 0.2811

Tritanomaly

68.5729, 0.3134, 0.2977

Monochromacy



Original Color

68.7565, 0.3035, 0.2773

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.3072, 0.3093, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7565, 0.3035, 0.2773 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(239, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7565, 0.3035, 0.2773 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(239, 204, 255) }
```

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

```
.border{ border-color:rgb(239, 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(239, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 204,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.7565, 0.3035, 0.2773$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 204, 255) }
```

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

```
.background{ background-color: rgb(239,  
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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