

Converting Colors

$Y_{xy}(79.6991, 0.2301, 0.1651)$

Have a look what the booklet for
Yxy(79.6991, 0.2301, 0.1651)
contains.

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Color

Yxy(65.3964, 0.3088, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	F6C2FF
RGB	246, 194, 255
RGB Percent	96%, 76%, 100%
CMY	0.0352, 0.2392, 0.0000
CMYK	0.04, 0.24, 0.00, 0.00
HSL	291°, 100%, 88%
HSV	291°, 24%, 100%
XYZ	75.3523, 65.3964, 103.2677
YIQ	216.5020, 11.4110, 29.9950

Conversions

Conversions Part 2

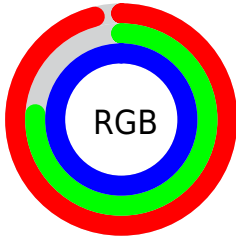
Format	Color
R _Y B	246, 194, 255
Decimal	16171775
CIE Lab	84.69, 28.76, -22.90
CIE LCh	85, 36.766, 321.471
Yxy	65.3964, 0.3088, 0.2680
Android (android.graphics.Color)	4294361855 (0xFFFF6C2FF)
YUV	216.5020, 18.9795, 25.8697
Hunter-Lab	80.8680, 24.8060, -19.1052

Details

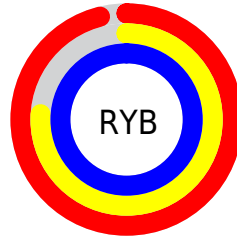
The Yxy color **65.3964, 0.3088, 0.2680** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1094, 0.3150, 0.3959**, and the grayscale version is **68.8934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.6522, 0.3073, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **54.3327, 0.3065, 0.2419**, and if you desaturate by 10%, it is **78.4254, 0.3107, 0.2941**.

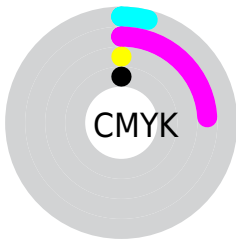
Distribution



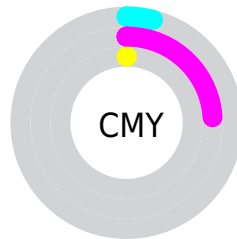
- Red (96%)
- Green (76%)
- Blue (100%)



- Red (96%)
- Yellow (76%)
- Blue (100%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3964, 0.3088, 0.2680 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 65.3964, 0.3088, 0.2680 by changing the saturation by 10% instead.

 65.3964, 0.3088,
0.2680

 65.3964, 0.3088,
0.2680


444.2151, 0.3112,
0.2953

 47.7826, 0.3081,
0.2620


 112.6196, 0.3097,
0.2773

 33.6547, 0.3072,
0.2547


142.9977, 0.3101,
0.2810

 22.6285, 0.3060,
0.2456


178.3994, 0.3103,
0.2841

 14.3194, 0.3043,
0.2341

219.2090, 0.3106,
0.2869

 8.3432, 0.3017,
0.2190

265.8110, 0.3108,
0.2894

 4.3153, 0.2974,
0.1984

318.5898, 0.3109,


 1.8515, 0.2898,


0.2916


0.1690


377.9297, 0.3111,
0.2935

 0.5189, 0.2771,
0.1153


 0.0000, 0.1297,
0.0000


 65.3964, 0.3088,
0.2680

 65.3964, 0.3088,
0.2680

 54.3327, 0.3065,
0.2419


 78.4254, 0.3107,
0.2941

 45.1286, 0.3037,
0.2165

 93.5059, 0.3122,
0.3194

 37.6779, 0.3006,
0.1931

100.0000, 0.3127,
0.3290

 31.8610, 0.2971,
0.1726

■ 27.5436, 0.2933,
0.1560

■ 24.5693, 0.2895,
0.1439

■ 22.7477, 0.2856,
0.1363

■ 22.0385, 0.2832,
0.1334

Harmonies

Analogous

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



65.3964, 0.2664, 0.2558



65.3964, 0.3088, 0.2680



65.3964, 0.3554, 0.2937

Triad

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



65.3964, 0.3088, 0.2680



65.3964, 0.3908, 0.3961



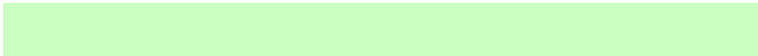
65.3964, 0.2393, 0.3220

Complementary

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



65.3964, 0.3088, 0.2680



88.1094, 0.3150, 0.3959

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.



65.3964, 0.2687, 0.3676



65.3964, 0.3088, 0.2680



65.3964, 0.3561, 0.4118

Square

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



65.3964, 0.3088, 0.2680



65.3964, 0.4045, 0.3648



65.3964, 0.3112, 0.4023



65.3964, 0.2287, 0.2831

Rectangle

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



65.3964, 0.3088, 0.2680



65.3964, 0.3816, 0.3160



65.3964, 0.3112, 0.4023



65.3964, 0.2472, 0.3373

Sweetspot

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



65.3985, 0.3088, 0.2680



88.6400, 0.3118, 0.3117



61.4716, 0.2725, 0.2715



18.7734, 0.3117, 0.3102



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.



65.3985, 0.3088, 0.2680



59.5402, 0.3077, 0.2547



65.7636, 0.3313, 0.2892



18.1568, 0.3114, 0.3054



11.5672, 0.2839, 0.1337



1.1616, 0.2883, 0.1362

Inverse Universe

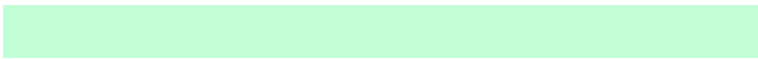
The Inverse Universe completely reimagines the original color for something new.



64.1542, 0.3555, 0.3198



58.1314, 0.3678, 0.3178



87.9135, 0.2979, 0.3725



18.0307, 0.3271, 0.3255



11.1935, 0.6204, 0.3191



1.1022, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 65.3964, 0.3088, 0.2680 looks on a white background.

Color Contrast Check

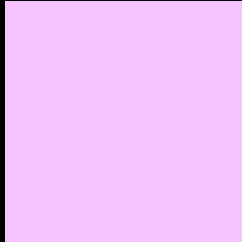
Large Text (above 18pt) WCAG AA × Fail

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 65.3964, 0.3088, 0.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

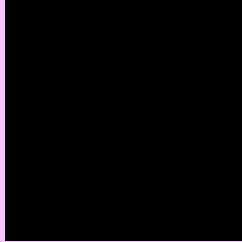
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3964, 0.3088, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 65.3964, 0.3088, 0.2680.

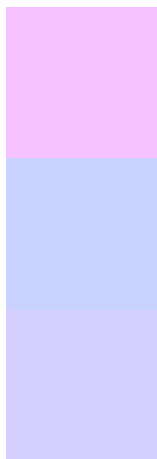


This preview shows how white text looks on a background with the Yxy color 65.3964, 0.3088, 0.2680.

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

65.3964, 0.3088, 0.2680

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.7145, 0.2860, 0.2797



Tritanopia

65.3083, 0.3314, 0.3121

Trichromacy



Original Color

65.3964, 0.3088, 0.2680



Protanomaly

65.1574, 0.2880, 0.2749



Deuteranomaly

65.2441, 0.2935, 0.2745



Tritanomaly

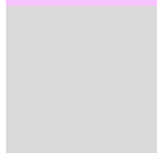
65.0349, 0.3228, 0.2947

Monochromacy



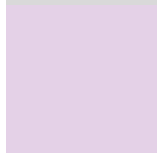
Original Color

65.3964, 0.3088, 0.2680



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.8644, 0.3116, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3964, 0.3088, 0.2680 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(246, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 194, 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(246, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3964, 0.3088, 0.2680 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(246, 194, 255) }
```

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

```
.border{ border-color:rgb(246, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3964, 0.3088, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 194, 255) }
```

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

```
.background{ background-color: rgb(246,  
194, 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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