

Converting Colors

$Y_{xy}(64.9528, 0.3088, 0.2670)$

Have a look what the booklet for
Yxy(64.9528, 0.3088, 0.2670)
contains.

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Color

Yxy(64.9528, 0.3088, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	F6C1FF
RGB	246, 193, 255
RGB Percent	96%, 76%, 100%
CMY	0.0354, 0.2431, 0.0000
CMYK	0.04, 0.24, 0.00, 0.00
HSL	291°, 100%, 88%
HSV	291°, 24%, 100%
XYZ	75.1214, 64.9528, 103.1947
YIQ	215.9150, 11.6860, 30.5180

Conversions

Conversions Part 2

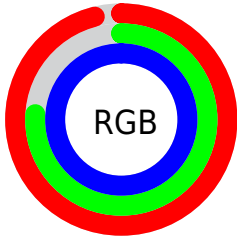
Format	Color
R _Y B	246, 193, 255
Decimal	16171519
CIE Lab	84.46, 29.27, -23.25
CIE LCh	84, 37.382, 321.543
Yxy	64.9528, 0.3088, 0.2670
Android (android.graphics.Color)	4294361599 (0xFFFF6C1FF)
YUV	215.9150, 19.2689, 26.3845
Hunter-Lab	80.5933, 25.3425, -19.5018

Details

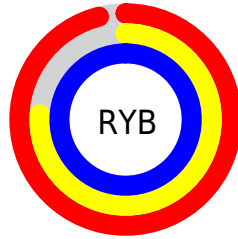
The Yxy color **64.9528, 0.3088, 0.2670** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.9322, 0.3150, 0.3971**, and the grayscale version is **68.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **33.3613, 0.3073, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **53.9706, 0.3065, 0.2409**, and if you desaturate by 10%, it is **77.8962, 0.3107, 0.2931**.

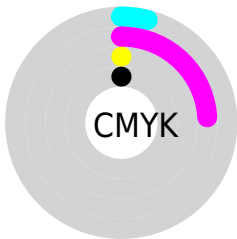
Distribution



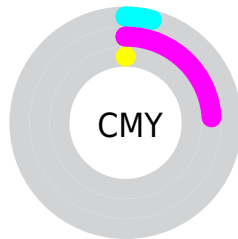
- Red (96%)
- Green (76%)
- Blue (100%)



- 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 64.9528, 0.3088, 0.2670 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 64.9528, 0.3088, 0.2670 by changing the saturation by 10% instead.


 64.9528, 0.3088,
0.2670

 64.9528, 0.3088,
0.2670


442.6223, 0.3112,
0.2948

 47.4228, 0.3081,
0.2609


 111.9820, 0.3097,
0.2764

 33.3700, 0.3072,
0.2535


142.2500, 0.3101,
0.2802

 22.4101, 0.3060,
0.2443


177.5328, 0.3104,
0.2834

 14.1585, 0.3042,
0.2326

218.2147, 0.3106,
0.2862

 8.2310, 0.3015,
0.2172

264.6803, 0.3108,
0.2887

 4.2431, 0.2972,
0.1963


317.3138, 0.3109,


 1.8105, 0.2894,


0.2910


0.1664


376.4997, 0.3111,
0.2930

 0.4937, 0.2767,
0.1108


 0.0000, 0.1208,
0.0000


 64.9528, 0.3088,
0.2670


 64.9528, 0.3088,
0.2670

 53.9706, 0.3065,
0.2409


 77.8962, 0.3107,
0.2931

 44.8436, 0.3038,
0.2156

 92.8874, 0.3122,
0.3185

 37.4654, 0.3007,
0.1923

100.0000, 0.3127,
0.3290

 31.7158, 0.2972,
0.1720

■ 27.4596, 0.2935,
0.1556

■ 24.5398, 0.2897,
0.1437

■ 22.7639, 0.2858,
0.1363

■ 22.1083, 0.2837,
0.1336

Harmonies

Analogous

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



64.9528, 0.2657, 0.2545



64.9528, 0.3088, 0.2670



64.9528, 0.3563, 0.2932

Triad

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



64.9528, 0.3088, 0.2670



64.9528, 0.3922, 0.3973



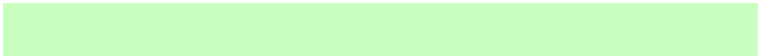
64.9528, 0.2379, 0.3217

Complementary

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



64.9528, 0.3088, 0.2670



87.9322, 0.3150, 0.3971

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.



64.9528, 0.2678, 0.3682



64.9528, 0.3088, 0.2670



64.9528, 0.3567, 0.4134

Square

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



64.9528, 0.3088, 0.2670



64.9528, 0.4063, 0.3654



64.9528, 0.3110, 0.4037



64.9528, 0.2272, 0.2821

Rectangle

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



64.9528, 0.3088, 0.2670



64.9528, 0.3830, 0.3158



64.9528, 0.3110, 0.4037



64.9528, 0.2459, 0.3372

Sweetspot

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



64.9548, 0.3088, 0.2670



88.6459, 0.3118, 0.3117



60.9465, 0.2718, 0.2705



18.7748, 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.



64.9548, 0.3088, 0.2670



59.5638, 0.3078, 0.2547



65.3064, 0.3316, 0.2885



18.1585, 0.3115, 0.3054



11.6032, 0.2843, 0.1340



1.1647, 0.2887, 0.1364

Inverse Universe

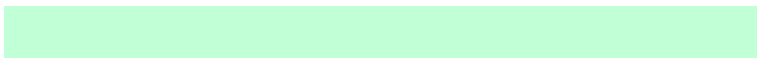
The Inverse Universe completely reimagines the original color for something new.



63.6717, 0.3565, 0.3198



58.1255, 0.3679, 0.3179



87.7505, 0.2977, 0.3733



18.0301, 0.3271, 0.3256



11.1919, 0.6207, 0.3193



1.1020, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 64.9528, 0.3088, 0.2670 looks on a white background.

Color Contrast Check

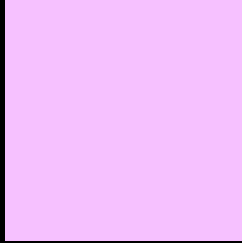
Large Text (above 18pt) WCAG AA × Fail

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 64.9528, 0.3088, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

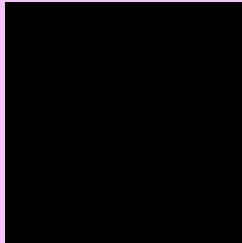
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9528, 0.3088, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 64.9528, 0.3088, 0.2670.



This preview shows how white text looks on a background with the Yxy color 64.9528, 0.3088, 0.2670.

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

64.9528, 0.3088, 0.2670

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.0198, 0.2858, 0.2795



Tritanopia

64.7917, 0.3323, 0.3121

Trichromacy



Original Color

64.9528, 0.3088, 0.2670



Protanomaly

64.6836, 0.2880, 0.2738



Deuteranomaly

64.7124, 0.2941, 0.2744



Tritanomaly

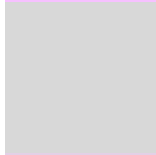
64.5229, 0.3236, 0.2947

Monochromacy



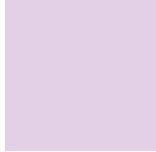
Original Color

64.9528, 0.3088, 0.2670



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

67.1558, 0.3116, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9528, 0.3088, 0.2670 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, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 193, 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, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.9528, 0.3088, 0.2670 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, 193, 255) }
```

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

```
.border{ border-color:rgb(246, 193, 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, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9528, 0.3088, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 193, 255) }
```

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

```
.background{ background-color: rgb(246,  
193, 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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