

Converting Colors

$Y_{xy}(64.5369, 0.3056, 0.2672)$

Have a look what the booklet for
Yxy(64.5369, 0.3056, 0.2672)
contains.

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Color

Yxy(64.6808, 0.3058, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	F2C2FF
RGB	242, 194, 255
RGB Percent	95%, 76%, 100%
CMY	0.0512, 0.2391, 0.0001
CMYK	0.05, 0.24, 0.00, 0.00
HSL	287°, 100%, 88%
HSV	287°, 24%, 100%
XYZ	73.9416, 64.6808, 103.1749
YIQ	215.3060, 9.0270, 29.1470

Conversions

Conversions Part 2

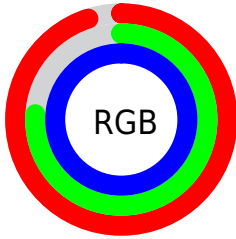
Format	Color
RYB	242, 194, 255
Decimal	15909631
CIELab	84.32, 27.44, -23.48
CIElCh	84, 36.117, 319.454
Yxy	64.6808, 0.3058, 0.2675
Android (android.graphics.Color)	4294099711 (0xFFFF2C2FF)
YUV	215.3060, 19.5691, 23.4106
Hunter-Lab	80.4244, 23.3691, -19.7650

Details

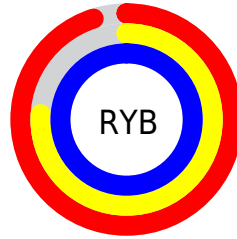
The Yxy color **64.6808, 0.3058, 0.2675** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.6768, 0.3176, 0.3953**, and the grayscale version is **68.0321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.1477, 0.3034, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **53.3384, 0.3019, 0.2407**, and if you desaturate by 10%, it is **78.0047, 0.3091, 0.2940**.

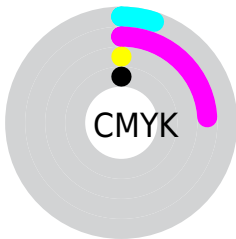
Distribution



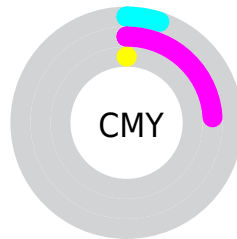
- Red (95%)
- Green (76%)
- Blue (100%)



- Red (95%)
- Yellow (76%)
- Blue (100%)



- Cyan (5%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6808, 0.3058, 0.2675 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 64.6808, 0.3058, 0.2675 by changing the saturation by 10% instead.


 64.6808, 0.3058,
0.2675

 64.6808, 0.3058,
0.2675


441.6440, 0.3096,
0.2951

 47.2023, 0.3048,
0.2614


 111.5908, 0.3072,
0.2769

 33.1956, 0.3035,
0.2540


141.7911, 0.3077,
0.2806

 22.2763, 0.3018,
0.2448


177.0008, 0.3082,
0.2838

 14.0601, 0.2994,
0.2331

217.6043, 0.3085,
0.2866

 8.1625, 0.2959,
0.2177

263.9860, 0.3089,
0.2891

 4.1991, 0.2903,
0.1968

316.5302, 0.3091,

 1.7855, 0.2808,

0.2913

0.1667

375.6214, 0.3094,
0.2933

0.4781, 0.2653,
0.1096

0.0000, 0.0702,
0.0000

64.6808, 0.3058,
0.2675

64.6808, 0.3058,
0.2675

53.3384, 0.3019,
0.2407

78.0047, 0.3091,
0.2940

43.8695, 0.2974,
0.2145

93.3944, 0.3118,
0.3194

36.1686, 0.2924,
0.1899

99.9985, 0.3127,
0.3290

30.1160, 0.2869,
0.1680

■ 25.5771, 0.2812,
0.1500

■ 22.3957, 0.2754,
0.1365

■ 20.3810, 0.2697,
0.1276

■ 19.5594, 0.2662,
0.1240

Harmonies

Analogous

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



64.6808, 0.2647, 0.2565



64.6808, 0.3058, 0.2675



64.6808, 0.3519, 0.2922

Triad

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



64.6808, 0.3058, 0.2675



64.6808, 0.3914, 0.3935



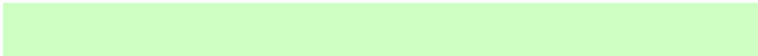
64.6808, 0.2416, 0.3252

Complementary

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



64.6808, 0.3058, 0.2675



88.6768, 0.3176, 0.3953

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.



64.6808, 0.2719, 0.3699



64.6808, 0.3058, 0.2675



64.6808, 0.3583, 0.4103

Square

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



64.6808, 0.3058, 0.2675



64.6808, 0.4032, 0.3620



64.6808, 0.3144, 0.4026



64.6808, 0.2298, 0.2859

Rectangle

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



64.6808, 0.3058, 0.2675



64.6808, 0.3783, 0.3139



64.6808, 0.3144, 0.4026



64.6808, 0.2499, 0.3402

Sweetspot

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



64.6836, 0.3058, 0.2675



88.4184, 0.3110, 0.3117



63.4326, 0.2729, 0.2762



18.7220, 0.3109, 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.



64.6836, 0.3058, 0.2675



58.6710, 0.3039, 0.2538



66.0095, 0.3282, 0.2853



18.0928, 0.3104, 0.3053



10.2897, 0.2672, 0.1245



1.0484, 0.2736, 0.1281

Inverse Universe

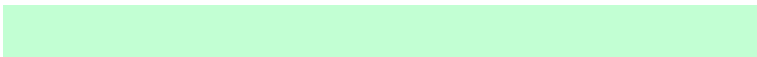
The Inverse Universe completely reimagines the original color for something new.



64.3618, 0.3522, 0.3157



58.3531, 0.3635, 0.3127



87.6972, 0.3001, 0.3771



18.0506, 0.3261, 0.3239



11.2682, 0.6042, 0.3102



1.1123, 0.5739, 0.2935

Previews

White Background



This preview shows how the Yxy color 64.6808, 0.3058, 0.2675 looks on a white background.

Color Contrast Check

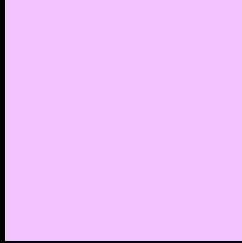
Large Text (above 18pt) WCAG AA × Fail

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 64.6808, 0.3058, 0.2675 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 64.6808, 0.3058, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 64.6808, 0.3058, 0.2675.



This preview shows how white text looks on a background with the Yxy color 64.6808, 0.3058, 0.2675.

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

64.6808, 0.3058, 0.2675

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.9361, 0.2845, 0.2784



Tritanopia

64.6159, 0.3283, 0.3119

Trichromacy



Original Color

64.6808, 0.3058, 0.2675



Protanomaly

64.8528, 0.2866, 0.2747



Deuteranomaly

64.9264, 0.2921, 0.2743



Tritanomaly

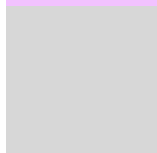
64.3348, 0.3197, 0.2944

Monochromacy



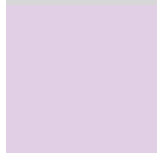
Original Color

64.6808, 0.3058, 0.2675



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.3464, 0.3102, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6808, 0.3058, 0.2675 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(242, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6808, 0.3058, 0.2675 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(242, 194, 255) }
```

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

```
.border{ border-color:rgb(242, 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(242, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6808, 0.3058, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 194, 255) }
```

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

```
.background{ background-color: rgb(242,  
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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