

Converting Colors

$Y_{xy}(63.2892, 0.3056, 0.2644)$

Have a look what the booklet for
Yxy(63.2892, 0.3056, 0.2644)
contains.

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Color

Yxy(63.3588, 0.3059, 0.2644)

Conversions

Conversions Part 1

Format	Color
Hex	F2BFFF
RGB	242, 191, 255
RGB Percent	95%, 75%, 100%
CMY	0.0509, 0.2510, 0.0000
CMYK	0.05, 0.25, 0.00, 0.00
HSL	288°, 100%, 87%
HSV	288°, 25%, 100%
XYZ	73.3035, 63.3588, 102.9700
YIQ	213.5450, 9.8520, 30.7160

Conversions

Conversions Part 2

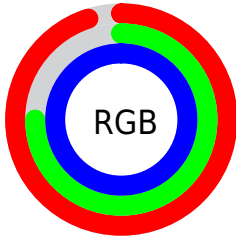
Format	Color
R _Y B	242, 191, 255
Decimal	15908863
CIE Lab	83.63, 29.08, -24.53
CIE LCh	84, 38.051, 319.850
Yxy	63.3588, 0.3059, 0.2644
Android (android.graphics.Color)	4294098943 (0xFFFF2BFFF)
YUV	213.5450, 20.4373, 24.9550
Hunter-Lab	79.5982, 25.0871, -20.9801

Details

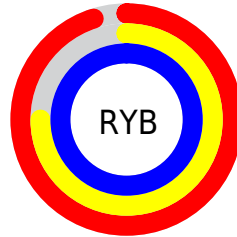
The Yxy color **63.3588, 0.3059, 0.2644** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1127, 0.3173, 0.3991**, and the grayscale version is **66.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **32.2828, 0.3034, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **52.2893, 0.3022, 0.2377**, and if you desaturate by 10%, it is **76.3957, 0.3090, 0.2909**.

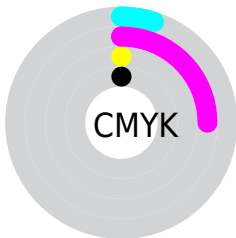
Distribution



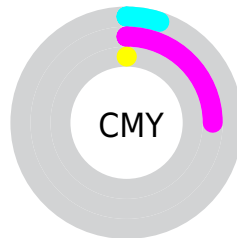
- Red (95%)
- Green (75%)
- Blue (100%)



- Red (95%)
- Yellow (75%)
- Blue (100%)



- Cyan (5%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3588, 0.3059, 0.2644 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 63.3588, 0.3059, 0.2644 by changing the saturation by 10% instead.

 63.3588, 0.3059,
0.2644

 63.3588, 0.3059,
0.2644


436.8705, 0.3097,
0.2934

 46.1315, 0.3049,
0.2580

 109.6870, 0.3073,
0.2743

 32.3496, 0.3036,
0.2502


139.5567, 0.3079,
0.2782

 21.6287, 0.3018,
0.2406

174.4093, 0.3083,
0.2815

 13.5843, 0.2993,
0.2283

214.6293, 0.3087,
0.2845

 7.8321, 0.2956,
0.2122

260.6010, 0.3090,
0.2871

 3.9877, 0.2898,
0.1902


312.7089, 0.3093,


 1.6667, 0.2796,


0.2894


0.1590

371.3372, 0.3095,
0.2915


 0.4020, 0.2644,
0.0951


 0.0000, 0.0403,
0.0000


 63.3588, 0.3059,
0.2644


 63.3588, 0.3059,
0.2644

 52.2893, 0.3022,
0.2377


 76.3957, 0.3090,
0.2909

 43.0784, 0.2979,
0.2118

 91.4850, 0.3116,
0.3165

 35.6193, 0.2932,
0.1877

99.9998, 0.3127,
0.3290

 29.7909, 0.2880,
0.1665

■ 25.4562, 0.2826,
0.1492

■ 22.4560, 0.2771,
0.1364

■ 20.5937, 0.2717,
0.1283

■ 19.9591, 0.2691,
0.1256

Harmonies

Analogous

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



63.3588, 0.2623, 0.2525



63.3588, 0.3059, 0.2644



63.3588, 0.3548, 0.2905

Triad

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



63.3588, 0.3059, 0.2644



63.3588, 0.3957, 0.3974



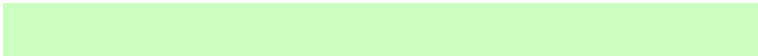
63.3588, 0.2373, 0.3241

Complementary

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



63.3588, 0.3059, 0.2644



88.1127, 0.3173, 0.3991

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.



63.3588, 0.2688, 0.3719



63.3588, 0.3059, 0.2644



63.3588, 0.3602, 0.4154

Square

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



63.3588, 0.3059, 0.2644



63.3588, 0.4088, 0.3640



63.3588, 0.3136, 0.4072



63.3588, 0.2252, 0.2827

Rectangle

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



63.3588, 0.3059, 0.2644



63.3588, 0.3828, 0.3133



63.3588, 0.3136, 0.4072



63.3588, 0.2458, 0.3401

Sweetspot

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



63.3615, 0.3059, 0.2644



86.8920, 0.3109, 0.3092



61.8933, 0.2707, 0.2732



18.1035, 0.3105, 0.3053



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.



63.3615, 0.3059, 0.2644



57.6966, 0.3042, 0.2513



64.6263, 0.3291, 0.2831



18.1035, 0.3105, 0.3053



10.4945, 0.2699, 0.1261



1.0666, 0.2760, 0.1294

Inverse Universe

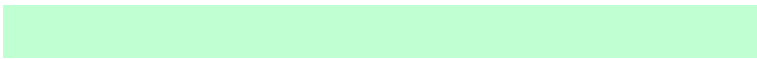
The Inverse Universe completely reimagines the original color for something new.



62.8780, 0.3553, 0.3157



57.1955, 0.3666, 0.3130



87.2039, 0.2995, 0.3798



18.0473, 0.3262, 0.3242



11.2538, 0.6073, 0.3119



1.1105, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 63.3588, 0.3059, 0.2644 looks on a white background.

Color Contrast Check

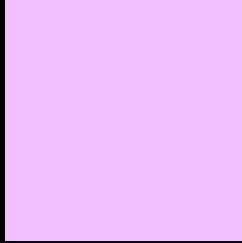
Large Text (above 18pt) WCAG AA × Fail

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 63.3588, 0.3059, 0.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

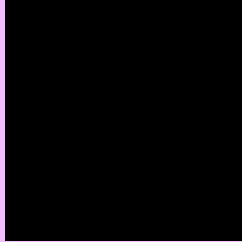
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3588, 0.3059, 0.2644

Background



This preview shows how black text looks on a background with the Yxy color 63.3588, 0.3059, 0.2644.

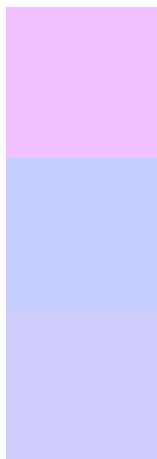


This preview shows how white text looks on a background with the Yxy color 63.3588, 0.3059, 0.2644.

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

63.3588, 0.3059, 0.2644

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.4794, 0.2830, 0.2768



Tritanopia

63.5348, 0.3308, 0.3129

Trichromacy



Original Color

63.3588, 0.3059, 0.2644



Protanomaly

63.1394, 0.2851, 0.2712



Deuteranomaly

63.1543, 0.2912, 0.2718



Tritanomaly

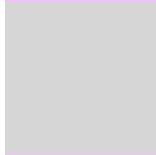
63.3141, 0.3214, 0.2943

Monochromacy



Original Color

63.3588, 0.3059, 0.2644



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.6470, 0.3102, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3588, 0.3059, 0.2644 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 191, 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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.3588, 0.3059, 0.2644 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, 191, 255) }
```

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

```
.border{ border-color:rgb(242, 191, 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, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3588, 0.3059, 0.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 191, 255) }
```

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

```
.background{ background-color: rgb(242,  
191, 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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