

Converting Colors

$Y_{xy}(64.3853, 0.3045, 0.2672)$

Have a look what the booklet for
Yxy(64.3853, 0.3045, 0.2672)
contains.

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Color

Yxy(64.3288, 0.3043, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	F0C2FF
RGB	240, 194, 255
RGB Percent	94%, 76%, 100%
CMY	0.0591, 0.2391, 0.0000
CMYK	0.06, 0.24, 0.00, 0.00
HSL	285°, 100%, 88%
HSV	285°, 24%, 100%
XYZ	73.2607, 64.3288, 103.1620
YIQ	214.7080, 7.8350, 28.7230

Conversions

Conversions Part 2

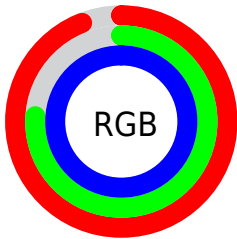
Format	Color
R _Y B	240, 194, 255
Decimal	15778559
CIE Lab	84.14, 26.81, -23.78
CIE LCh	84, 35.843, 318.427
Yxy	64.3288, 0.3043, 0.2672
Android (android.graphics.Color)	4293968639 (0xFFFF0C2FF)
YUV	214.7080, 19.8640, 22.1811
Hunter-Lab	80.2052, 22.6854, -20.1166

Details

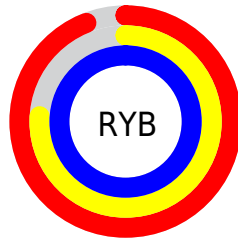
The Yxy color **64.3288, 0.3043, 0.2672** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.9850, 0.3188, 0.3950**, and the grayscale version is **67.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **32.9007, 0.3014, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **52.8529, 0.2996, 0.2401**, and if you desaturate by 10%, it is **77.7961, 0.3083, 0.2939**.

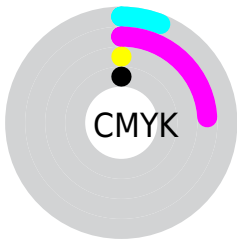
Distribution



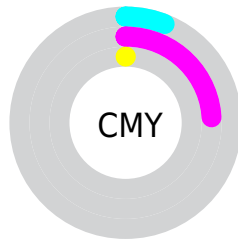
- Red (94%)
- Green (76%)
- Blue (100%)



- Red (94%)
- Yellow (76%)
- Blue (100%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3288, 0.3043, 0.2672 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 64.3288, 0.3043, 0.2672 by changing the saturation by 10% instead.


 64.3288, 0.3043,
0.2672

 64.3288, 0.3043,
0.2672


440.3760, 0.3088,
0.2950

 46.9170, 0.3031,
0.2611


 111.0843, 0.3060,
0.2767

 32.9701, 0.3017,
0.2536


141.1969, 0.3066,
0.2804

 22.1035, 0.2997,
0.2444


176.3118, 0.3071,
0.2836

 13.9330, 0.2970,
0.2325

216.8135, 0.3075,
0.2865

 8.0741, 0.2930,
0.2170

263.0864, 0.3079,
0.2890

 4.1424, 0.2868,
0.1958

315.5149, 0.3082,

 1.7535, 0.2762,

0.2912

0.1655

374.4833, 0.3085,
0.2932

0.4580, 0.2594,
0.1065

0.0000, 0.0379,
0.0000

64.3288, 0.3043,
0.2672

64.3288, 0.3043,
0.2672

52.8529, 0.2996,
0.2401

77.7961, 0.3083,
0.2939

43.2602, 0.2943,
0.2134

93.3391, 0.3116,
0.3194

35.4449, 0.2883,
0.1882

100.0000, 0.3127,
0.3290

29.2874, 0.2819,
0.1657

■ 24.6526, 0.2752,
0.1470

■ 21.3843, 0.2684,
0.1328

■ 19.2914, 0.2618,
0.1233

■ 18.4272, 0.2579,
0.1194

Harmonies

Analogous

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



64.3288, 0.2638, 0.2568



64.3288, 0.3043, 0.2672



64.3288, 0.3501, 0.2913

Triad

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



64.3288, 0.3043, 0.2672



64.3288, 0.3918, 0.3923



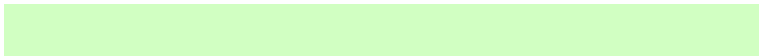
64.3288, 0.2428, 0.3267

Complementary

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



64.3288, 0.3043, 0.2672



88.9850, 0.3188, 0.3950

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.



64.3288, 0.2734, 0.3710



64.3288, 0.3043, 0.2672



64.3288, 0.3594, 0.4096

Square

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



64.3288, 0.3043, 0.2672



64.3288, 0.4027, 0.3607



64.3288, 0.3159, 0.4029



64.3288, 0.2304, 0.2873

Rectangle

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



64.3288, 0.3043, 0.2672



64.3288, 0.3768, 0.3128



64.3288, 0.3159, 0.4029



64.3288, 0.2512, 0.3417

Sweetspot

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



64.3316, 0.3043, 0.2672



88.3085, 0.3106, 0.3117



64.4283, 0.2731, 0.2785



18.6965, 0.3104, 0.3101



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.



64.3316, 0.3043, 0.2672



58.2464, 0.3020, 0.2534



66.1340, 0.3267, 0.2834



18.0611, 0.3098, 0.3053



9.7023, 0.2590, 0.1200



0.9957, 0.2663, 0.1241

Inverse Universe

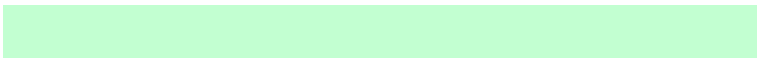
The Inverse Universe completely reimagines the original color for something new.



64.4651, 0.3506, 0.3136



58.4664, 0.3614, 0.3102



87.6102, 0.3012, 0.3794



18.0607, 0.3255, 0.3231



11.3160, 0.5945, 0.3049



1.1183, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 64.3288, 0.3043, 0.2672 looks on a white background.

Color Contrast Check

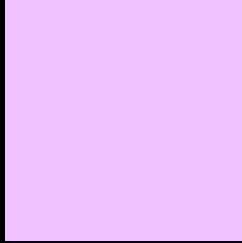
Large Text (above 18pt) WCAG AA × Fail

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 64.3288, 0.3043, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

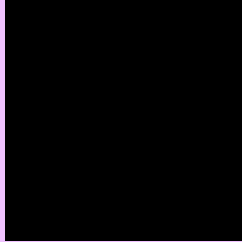
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3288, 0.3043, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 64.3288, 0.3043, 0.2672.

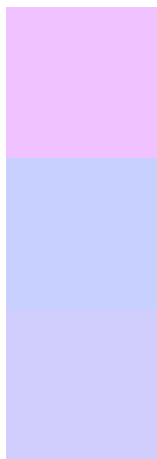


This preview shows how white text looks on a background with the Yxy color 64.3288, 0.3043, 0.2672.

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

64.3288, 0.3043, 0.2672

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.3098, 0.2838, 0.2772



Tritanopia

64.2755, 0.3267, 0.3118

Trichromacy



Original Color

64.3288, 0.3043, 0.2672



Protanomaly

64.2280, 0.2859, 0.2735



Deuteranomaly

64.1447, 0.2906, 0.2730



Tritanomaly

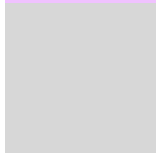
63.9906, 0.3182, 0.2942

Monochromacy



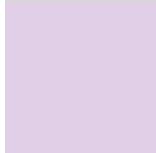
Original Color

64.3288, 0.3043, 0.2672



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.1861, 0.3094, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3288, 0.3043, 0.2672 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(240, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3288, 0.3043, 0.2672 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(240, 194, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 194, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3288, 0.3043, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 194, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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