

Converting Colors

$Y_{xy}(53.8600, 0.2830, 0.2101)$

Have a look what the booklet for
Yxy(53.8600, 0.2830, 0.2101)
contains.

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Color

Yxy(51.5859, 0.3048, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	F0A2FF
RGB	240, 162, 255
RGB Percent	94%, 64%, 100%
CMY	0.0587, 0.3647, 0.0001
CMYK	0.06, 0.36, 0.00, 0.00
HSL	290°, 100%, 82%
HSV	290°, 36%, 100%
XYZ	66.9080, 51.5859, 101.0206
YIQ	195.9240, 16.6350, 45.4590

Conversions

Conversions Part 2

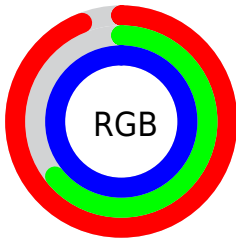
Format	Color
R _Y B	240, 162, 255
Decimal	15770367
CIE Lab	77.03, 43.78, -34.66
CIE LCh	77, 55.844, 321.630
Yxy	51.5859, 0.3048, 0.2350
Android (android.graphics.Color)	4293960447 (0xFFFF0A2FF)
YUV	195.9240, 29.1245, 38.6547
Hunter-Lab	71.8233, 40.5933, -33.1159

Details

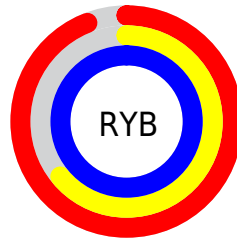
The Yxy color **51.5859, 0.3048, 0.2350** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.4576, 0.3163, 0.4370**, and the grayscale version is **54.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **25.0818, 0.3016, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **42.7877, 0.3016, 0.2099**, and if you desaturate by 10%, it is **62.2258, 0.3076, 0.2612**.

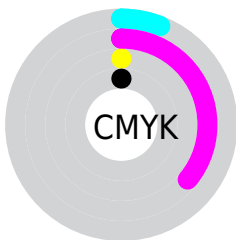
Distribution



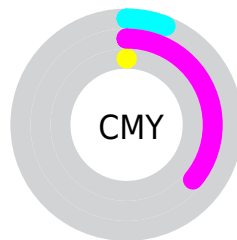
- Red (94%)
- Green (64%)
- Blue (100%)



- Red (94%)
- Yellow (64%)
- Blue (100%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5859, 0.3048, 0.2350 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 51.5859, 0.3048, 0.2350 by changing the saturation by 10% instead.


 51.5859, 0.3048,
0.2350


 51.5859, 0.3048,
0.2350

392.8359, 0.3099,
0.2773

 36.6751, 0.3033,
0.2257


 92.5202, 0.3069,
0.2494

 24.9560, 0.3013,
0.2144


 119.3126, 0.3076,
0.2551

 16.0443, 0.2984,
0.2005


150.8342, 0.3082,
0.2600

 9.5555, 0.2943,
0.1830

187.4696, 0.3086,
0.2643

 5.1053, 0.2879,
0.1604

229.6030, 0.3091,
0.2681

 2.3092, 0.2775,
0.1306

277.6190, 0.3094,

 0.7785, 0.2587,

0.2715

0.0905

331.9018, 0.3097,
0.2746

0.0000, 0.2296,
0.0000

0.0000, 0.0000,
0.0000

51.5859, 0.3048,
0.2350

51.5859, 0.3048,
0.2350

42.7877, 0.3016,
0.2099

62.2258, 0.3076,
0.2612

35.7138, 0.2979,
0.1868

74.8023, 0.3099,
0.2875

30.2433, 0.2940,
0.1670

89.4117, 0.3117,
0.3131

26.2371, 0.2898,
0.1512

99.9987, 0.3127,
0.3290

■ 23.5320, 0.2855,
0.1400

■ 21.9240, 0.2812,
0.1332

■ 21.5093, 0.2797,
0.1315

Harmonies

Analogous

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



51.5859, 0.2386, 0.2160



51.5859, 0.3048, 0.2350



51.5859, 0.3822, 0.2730

Triad

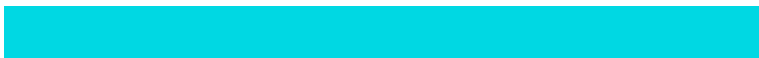
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5859, 0.3048, 0.2350



51.5859, 0.4358, 0.4317



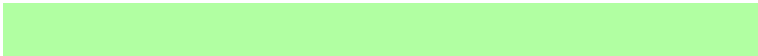
51.5859, 0.1965, 0.3134

Complementary

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



51.5859, 0.3048, 0.2350



83.4576, 0.3163, 0.4370

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.



51.5859, 0.2398, 0.3936



51.5859, 0.3048, 0.2350



51.5859, 0.3777, 0.4655

Square

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



51.5859, 0.3048, 0.2350



51.5859, 0.4622, 0.3792



51.5859, 0.3059, 0.4553



51.5859, 0.1825, 0.2518

Rectangle

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



51.5859, 0.3048, 0.2350



51.5859, 0.4265, 0.3058



51.5859, 0.3059, 0.4553



51.5859, 0.2077, 0.3394

Sweetspot

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



51.5881, 0.3048, 0.2350



82.5451, 0.3109, 0.3016



46.5403, 0.2484, 0.2371



17.2454, 0.3107, 0.2981



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.



51.5881, 0.3048, 0.2350



44.8011, 0.3024, 0.2159



52.4774, 0.3429, 0.2662



18.1437, 0.3112, 0.3054



11.2963, 0.2804, 0.1319



1.1377, 0.2853, 0.1345

Inverse Universe

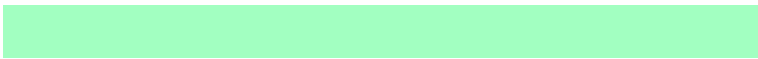
The Inverse Universe completely reimagines the original color for something new.



50.2689, 0.3872, 0.3135



43.4128, 0.4108, 0.3104



83.0383, 0.2917, 0.4019



18.0347, 0.3269, 0.3252



11.2065, 0.6175, 0.3175



1.1041, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 51.5859, 0.3048, 0.2350 looks on a white background.

Color Contrast Check

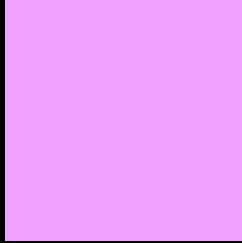
Large Text (above 18pt) WCAG AA × Fail

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 51.5859, 0.3048, 0.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

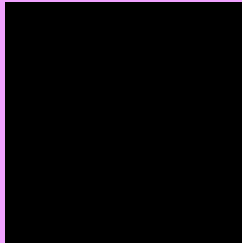
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5859, 0.3048, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 51.5859, 0.3048, 0.2350.



This preview shows how white text looks on a background with the Yxy color 51.5859, 0.3048, 0.2350.

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

51.5859, 0.3048, 0.2350

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

51.7899, 0.2624, 0.2556



Tritanopia

51.7137, 0.3506, 0.3144

Trichromacy



Original Color

51.5859, 0.3048, 0.2350



Protanomaly

51.1960, 0.2716, 0.2442



Deuteranomaly

51.1484, 0.2763, 0.2466

Tritanomaly

51.4223, 0.3331, 0.2831

Monochromacy



Original Color

51.5859, 0.3048, 0.2350



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.2878, 0.3104, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5859, 0.3048, 0.2350 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, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 162, 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, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.5859, 0.3048, 0.2350 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, 162, 255) }
```

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

```
.border{ border-color:rgb(240, 162, 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, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5859, 0.3048, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 162, 255) }
```

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

```
.background{ background-color: rgb(240,  
162, 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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