

Converting Colors

$Y_{xy}(43.8633, 0.2548, 0.1511)$

Have a look what the booklet for
Yxy(43.8633, 0.2548, 0.1511)
contains.

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Color

Yxy(38.2933, 0.3044, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	EF75FF
RGB	239, 117, 255
RGB Percent	94%, 46%, 100%
CMY	0.0626, 0.5413, 0.0000
CMYK	0.06, 0.54, 0.00, 0.00
HSL	293°, 100%, 73%
HSV	293°, 54%, 100%
XYZ	60.0231, 38.2933, 98.8685
YIQ	169.2100, 28.4140, 68.7820

Conversions

Conversions Part 2

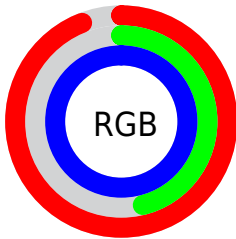
Format	Color
R _Y B	239, 117, 255
Decimal	15693311
CIE Lab	68.24, 65.89, -48.44
CIE LCh	68, 81.774, 323.679
Yxy	38.2933, 0.3044, 0.1942
Android (android.graphics.Color)	4293883391 (0xFFEF75FF)
YUV	169.2100, 42.2945, 61.2058
Hunter-Lab	61.8816, 64.8463, -51.4108

Details

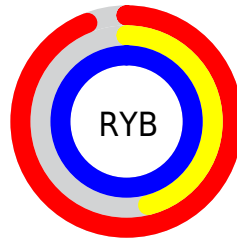
The Yxy color **38.2933, 0.3044, 0.1942** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.7837, 0.3124, 0.4996**, and the grayscale version is **39.5569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **17.0122, 0.2981, 0.1656** is the 20% darker color. If you saturate the color by 10%, you get **32.6309, 0.3019, 0.1745**, and if you desaturate by 10%, it is **45.5800, 0.3067, 0.2171**.

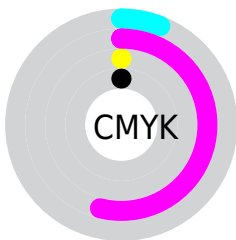
Distribution



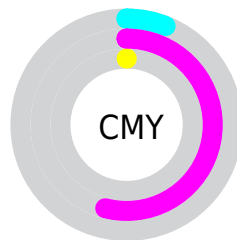
- Red (94%)
- Green (46%)
- Blue (100%)



- Red (94%)
- Yellow (46%)
- Blue (100%)



- Cyan (6%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2933, 0.3044, 0.1942 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 38.2933, 0.3044, 0.1942 by changing the saturation by 10% instead.


 38.2933, 0.3044,
0.1942


 38.2933, 0.3044,
0.1942


338.8765, 0.3114,
0.2546

 26.2104, 0.3020,
0.1812


 72.5575, 0.3075,
0.2146

 16.9811, 0.2987,
0.1657


 95.5075, 0.3085,
0.2227

 10.2210, 0.2939,
0.1468


 122.8488, 0.3092,
0.2297

 5.5458, 0.2867,
0.1238

154.9656, 0.3099,
0.2359

 2.5709, 0.2754,
0.0957

192.2424, 0.3104,
0.2414

 0.9121, 0.2563,
0.0622

235.0635, 0.3108,

 0.0000, 0.2285,

0.2463

0.0000

283.8134, 0.3111,
0.2506

0.0000, 0.1359,
0.0000

0.0000, 0.0000,
0.0000

38.2933, 0.3044,
0.1942

38.2933, 0.3044,
0.1942

32.6309, 0.3019,
0.1745

45.5800, 0.3067,
0.2171

28.4606, 0.2991,
0.1587

54.6135, 0.3086,
0.2419

25.6250, 0.2961,
0.1473

65.5013, 0.3102,
0.2677

23.9323, 0.2931,
0.1404

78.3429, 0.3115,
0.2937

■ 23.3114, 0.2914,
0.1379

■ 93.2310, 0.3124,
0.3189

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.2933, 0.2046, 0.1660



38.2933, 0.3044, 0.1942



38.2933, 0.4306, 0.2471

Triad

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



38.2933, 0.3044, 0.1942



38.2933, 0.4834, 0.4726



38.2933, 0.1365, 0.2872

Complementary

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



38.2933, 0.3044, 0.1942



77.7837, 0.3124, 0.4996

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.



38.2933, 0.1897, 0.4268



38.2933, 0.3044, 0.1942



38.2933, 0.3889, 0.5438

Square

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



38.2933, 0.3044, 0.1942



38.2933, 0.5403, 0.3904



38.2933, 0.2827, 0.5424



38.2933, 0.1246, 0.2015

Rectangle

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



38.2933, 0.3044, 0.1942



38.2933, 0.5017, 0.2915



38.2933, 0.2827, 0.5424



38.2933, 0.1492, 0.3292

Sweetspot

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



38.2924, 0.3044, 0.1942



75.7908, 0.3113, 0.2888



27.7933, 0.2114, 0.1740



15.6381, 0.3110, 0.2835



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.



38.2924, 0.3044, 0.1942



32.2117, 0.3016, 0.1729



38.2427, 0.3717, 0.2440



18.1875, 0.3119, 0.3055



12.2232, 0.2919, 0.1381



1.2191, 0.2954, 0.1401

Inverse Universe

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



35.6656, 0.4554, 0.3134



29.5379, 0.5028, 0.3123



78.1971, 0.2813, 0.4370



18.0212, 0.3276, 0.3263



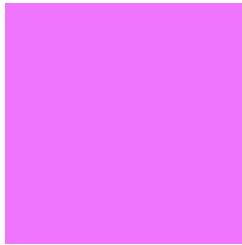
11.1672, 0.6263, 0.3224



1.0978, 0.6029, 0.3095

Previews

White Background



This preview shows how the Yxy color 38.2933, 0.3044, 0.1942 looks on a white background.

Color Contrast Check

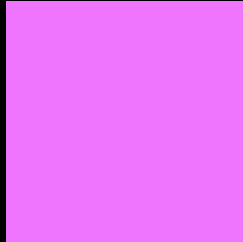
Large Text (above 18pt) WCAG AA × Fail

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 38.2933, 0.3044, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

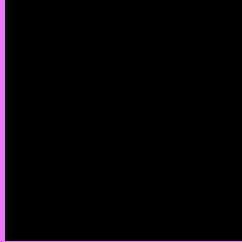
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2933, 0.3044, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 38.2933, 0.3044, 0.1942.



This preview shows how white text looks on a background with the Yxy color 38.2933, 0.3044, 0.1942.

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

38.2933, 0.3044, 0.1942

Protanopia

38.7575, 0.2282, 0.2157

Deuteranopia

38.8318, 0.2324, 0.2268



Tritanopia

38.1468, 0.3898, 0.3162

Trichromacy



Original Color

38.2933, 0.3044, 0.1942



Protanomaly

36.8581, 0.2504, 0.2029



Deuteranomaly

36.6773, 0.2534, 0.2090

Tritanomaly

37.8007, 0.3569, 0.2651

Monochromacy



Original Color

38.2933, 0.3044, 0.1942



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.4522, 0.3099, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2933, 0.3044, 0.1942 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(239, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 117, 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(239, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.2933, 0.3044, 0.1942 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(239, 117, 255) }
```

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

```
.border{ border-color:rgb(239, 117, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 117,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2933, 0.3044, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 117, 255) }
```

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

```
.background{ background-color: rgb(239,  
117, 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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