

Converting Colors

$Y_{xy}(38.9171, 0.3033, 0.1861)$

Have a look what the booklet for
Yxy(38.9171, 0.3033, 0.1861)
contains.

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Color

Yxy(38.1817, 0.3108, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	F66FFF
RGB	246, 111, 255
RGB Percent	96%, 44%, 100%
CMY	0.0353, 0.5647, 0.0000
CMYK	0.04, 0.56, 0.00, 0.00
HSL	296°, 100%, 72%
HSV	296°, 56%, 100%
XYZ	61.7423, 38.1817, 98.7321
YIQ	167.7810, 34.2360, 73.4040

Conversions

Conversions Part 2

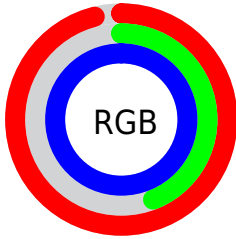
Format	Color
RYB	246, 111, 255
Decimal	16150527
CIELab	68.15, 70.30, -48.49
CIELCh	68, 85.396, 325.404
Yxy	38.1817, 0.3108, 0.1922
Android (android.graphics.Color)	4294340607 (0xFFFF66FFF)
YUV	167.7810, 42.9990, 68.5981
Hunter-Lab	61.7913, 70.2235, -51.4814

Details

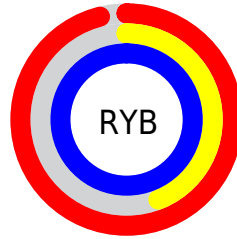
The Yxy color **38.1817, 0.3108, 0.1922** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.6606, 0.3083, 0.5096**, and the grayscale version is **38.8183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **17.0097, 0.3067, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **33.1029, 0.3098, 0.1744**, and if you desaturate by 10%, it is **44.8527, 0.3116, 0.2134**.

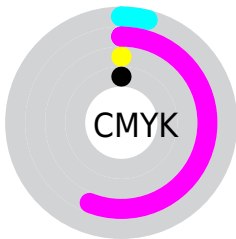
Distribution



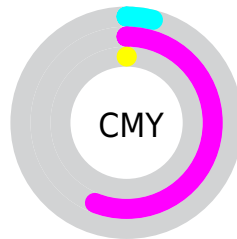
- Red (96%)
- Green (44%)
- Blue (100%)



- Red (96%)
- Yellow (44%)
- Blue (100%)



- Cyan (4%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1817, 0.3108, 0.1922 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 38.1817, 0.3108, 0.1922 by changing the saturation by 10% instead.


 38.1817, 0.3108,
0.1922


 38.1817, 0.3108,
0.1922


338.3988, 0.3148,
0.2532

 26.1237, 0.3091,
0.1791


 72.3866, 0.3128,
0.2127

 16.9162, 0.3066,
0.1635


 95.3022, 0.3134,
0.2209

 10.1748, 0.3029,
0.1447

 122.6059, 0.3139,
0.2280

 5.5150, 0.2970,
0.1217

154.6821, 0.3142,
0.2343

 2.5525, 0.2874,
0.0938

191.9150, 0.3144,
0.2398

 0.9028, 0.2707,
0.0606

234.6892, 0.3146,

 0.0000, 0.2462,

0.2448

0.0000

283.3890, 0.3147,
0.2492

■ 0.0000, 0.1668,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1817, 0.3108,
0.1922

■ 38.1817, 0.3108,
0.1922

■ 33.1029, 0.3098,
0.1744

■ 44.8527, 0.3116,
0.2134

■ 29.4741, 0.3085,
0.1607

■ 53.2358, 0.3122,
0.2371

■ 27.1332, 0.3071,
0.1515

■ 63.4427, 0.3126,
0.2622

■ 25.8762, 0.3056,
0.1465

■ 75.5749, 0.3128,
0.2878

■ 25.5827, 0.3050,
0.1454

■ 89.7264, 0.3128,
0.3131

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.



38.1817, 0.2052, 0.1618



38.1817, 0.3108, 0.1922



38.1817, 0.4429, 0.2476

Triad

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



38.1817, 0.3108, 0.1922



38.1817, 0.4828, 0.4803



38.1817, 0.1287, 0.2775

Complementary

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



38.1817, 0.3108, 0.1922



76.6606, 0.3083, 0.5096

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.



38.1817, 0.1799, 0.4223



38.1817, 0.3108, 0.1922



38.1817, 0.3831, 0.5548

Square

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



38.1817, 0.3108, 0.1922



38.1817, 0.5465, 0.3946



38.1817, 0.2737, 0.5496



38.1817, 0.1193, 0.1931

Rectangle

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



38.1817, 0.3108, 0.1922



38.1817, 0.5149, 0.2933



38.1817, 0.2737, 0.5496



38.1817, 0.1406, 0.3203

Sweetspot

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



38.1827, 0.3108, 0.1922



74.8821, 0.3128, 0.2865



24.1776, 0.2049, 0.1578



15.4767, 0.3128, 0.2813



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.



38.1827, 0.3108, 0.1922



32.4574, 0.3096, 0.1720



36.4616, 0.3838, 0.2476



18.2392, 0.3128, 0.3055



13.3923, 0.3053, 0.1455



1.3208, 0.3072, 0.1466

Inverse Universe

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



33.9852, 0.4748, 0.3207



28.0147, 0.5284, 0.3206



77.9323, 0.2772, 0.4330



18.0055, 0.3285, 0.3276



11.1352, 0.6337, 0.3265



1.0904, 0.6193, 0.3185

Previews

White Background



This preview shows how the Yxy color 38.1817, 0.3108, 0.1922 looks on a white background.

Color Contrast Check

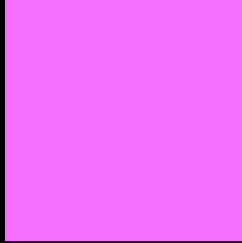
Large Text (above 18pt) WCAG AA × Fail

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 38.1817, 0.3108, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

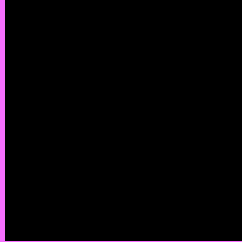
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1817, 0.3108, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 38.1817, 0.3108, 0.1922.



This preview shows how white text looks on a background with the Yxy color 38.1817, 0.3108, 0.1922.

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

38.1817, 0.3108, 0.1922

Protanopia

38.6765, 0.2276, 0.2155

Deuteranopia

38.4084, 0.2326, 0.2265



Tritanopia

37.9588, 0.4041, 0.3178

Trichromacy



Original Color

38.1817, 0.3108, 0.1922



Protanomaly

36.3550, 0.2509, 0.2009



Deuteranomaly

35.9746, 0.2545, 0.2060

Tritanomaly

37.5085, 0.3681, 0.2646

Monochromacy



Original Color

38.1817, 0.3108, 0.1922



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

36.7733, 0.3120, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1817, 0.3108, 0.1922 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(246, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 111, 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(246, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1817, 0.3108, 0.1922 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(246, 111, 255) }
```

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

```
.border{ border-color:rgb(246, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1817, 0.3108, 0.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 111, 255) }
```

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

```
.background{ background-color: rgb(246,  
111, 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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