

Converting Colors

$Yxy(38.0920, 0.3178, 0.1965)$

Have a look what the booklet for
Yxy(38.0920, 0.3178, 0.1965)
contains.

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Color

Yxy(38.0104, 0.3171, 0.1958)

Conversions

Conversions Part 1

Format	Color
Hex	F86EFA
RGB	248, 110, 250
RGB Percent	97%, 43%, 98%
CMY	0.0273, 0.5688, 0.0195
CMYK	0.01, 0.56, 0.00, 0.02
HSL	299°, 93%, 71%
HSV	299°, 56%, 98%
XYZ	61.5582, 38.0104, 94.5601
YIQ	167.2220, 37.3080, 72.7960

Conversions

Conversions Part 2

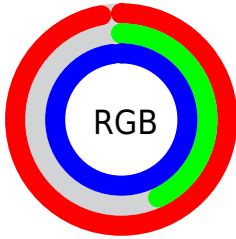
Format	Color
R_{YB}	248, 110, 250
Decimal	16281338
CIE _{Lab}	68.03, 70.41, -45.94
CIE _{LCh}	68, 84.070, 326.877
Yxy	38.0104, 0.3171, 0.1958
Android (android.graphics.Color)	4294471418 (0xFFFF86EFA)
YUV	167.2220, 40.8096, 70.8423
Hunter-Lab	61.6526, 70.3348, -47.7797

Details

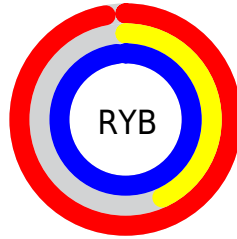
The Yxy color **38.0104, 0.3171, 0.1958** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **72.9568, 0.3051, 0.5096**, and the grayscale version is **38.5372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **16.8657, 0.3152, 0.1676** is the 20% darker color. If you saturate the color by 10%, you get **33.2944, 0.3175, 0.1788**, and if you desaturate by 10%, it is **44.2514, 0.3166, 0.2163**.

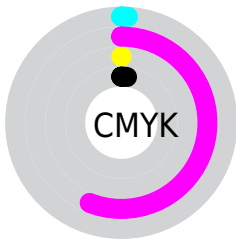
Distribution



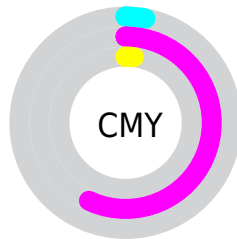
- Red (97%)
- Green (43%)
- Blue (98%)



- Red (97%)
- Yellow (43%)
- Blue (98%)



- Cyan (1%)
- Magenta (56%)
- Yellow (0%)
- Black (2%)





- Cyan (3%)
- Magenta (57%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0104, 0.3171, 0.1958 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 38.0104, 0.3171, 0.1958 by changing the saturation by 10% instead.


 38.0104, 0.3171,
0.1958


 38.0104, 0.3171,
0.1958


337.6646, 0.3179,
0.2555


 25.9908, 0.3162,
0.1829


 72.1241, 0.3180,
0.2160

 16.8167, 0.3147,
0.1675


 94.9869, 0.3181,
0.2240

 10.1039, 0.3122,
0.1487


 122.2329, 0.3182,
0.2310

 5.4679, 0.3080,
0.1257

154.2465, 0.3182,
0.2371

 2.5243, 0.3005,
0.0975

191.4121, 0.3181,
0.2425

 0.8888, 0.2866,
0.0636

234.1140, 0.3181,

 0.0000, 0.2664,

0.2473

0.0000

282.7367, 0.3180,
0.2516

■ 0.0000, 0.1857,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0104, 0.3171,
0.1958

■ 38.0104, 0.3171,
0.1958

■ 33.2944, 0.3175,
0.1788

■ 44.2514, 0.3166,
0.2163

■ 29.9665, 0.3176,
0.1660


■ 52.1286, 0.3159,
0.2393


■ 27.8743, 0.3176,
0.1575

■ 61.7488, 0.3150,
0.2639


■ 26.8267, 0.3174,
0.1532


■ 73.2085, 0.3142,
0.2892

 26.5852, 0.3173,
0.1522

 86.5969, 0.3133,
0.3143

 98.7800, 0.3126,
0.3338

 98.8456, 0.3128,
0.3338

 98.9113, 0.3130,
0.3338

 98.9771, 0.3132,
0.3338

Harmonies

Analogous

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



38.0104, 0.2106, 0.1643



38.0104, 0.3171, 0.1958



38.0104, 0.4472, 0.2518

Triad

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



38.0104, 0.3171, 0.1958



38.0104, 0.4773, 0.4836



38.0104, 0.1293, 0.2729

Complementary

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



38.0104, 0.3171, 0.1958



72.9568, 0.3051, 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.



38.0104, 0.1781, 0.4133



38.0104, 0.3171, 0.1958



38.0104, 0.3778, 0.5544

Square

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



38.0104, 0.3171, 0.1958



38.0104, 0.5423, 0.3988



38.0104, 0.2695, 0.5424



38.0104, 0.1216, 0.1921

Rectangle

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



38.0104, 0.3171, 0.1958



38.0104, 0.5162, 0.2975



38.0104, 0.2695, 0.5424



38.0104, 0.1405, 0.3140

Sweetspot

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



38.0121, 0.3171, 0.1958



75.2758, 0.3143, 0.2867



21.8698, 0.2042, 0.1513



15.5708, 0.3144, 0.2816



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.



38.0121, 0.3171, 0.1958



34.3876, 0.3175, 0.1773



34.8640, 0.3913, 0.2551



17.5113, 0.3136, 0.3056



14.1034, 0.3174, 0.1522



1.3101, 0.3178, 0.1525

Inverse Universe

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



32.6415, 0.4809, 0.3275



28.3051, 0.5339, 0.3277



74.9039, 0.2741, 0.4223



17.2292, 0.3292, 0.3287



10.7864, 0.6386, 0.3292



1.0004, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 38.0104, 0.3171, 0.1958 looks on a white background.

Color Contrast Check

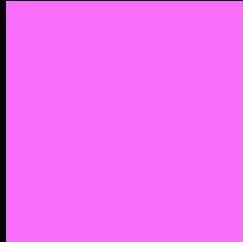
Large Text (above 18pt) WCAG AA × Fail

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 38.0104, 0.3171, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

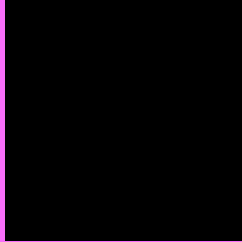
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0104, 0.3171, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 38.0104, 0.3171, 0.1958.



This preview shows how white text looks on a background with the Yxy color 38.0104, 0.3171, 0.1958.

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

38.0104, 0.3171, 0.1958

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.4954, 0.2371, 0.2311



Tritanopia

37.8308, 0.4102, 0.3180

Trichromacy



Original Color

38.0104, 0.3171, 0.1958



Protanomaly

36.0370, 0.2527, 0.2017



Deuteranomaly

36.1296, 0.2608, 0.2114



Tritanomaly

37.1647, 0.3751, 0.2672

Monochromacy



Original Color

38.0104, 0.3171, 0.1958



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.3247, 0.3147, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0104, 0.3171, 0.1958 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(248, 110, 250)` looks like.

```
.text, #text, p{  
    color:rgb(248, 110, 250)  
}
```

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(248, 110, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 110, 250) }
```

Border

The CSS property to change the border of an element to Yxy 38.0104, 0.3171, 0.1958 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(248, 110, 250) }
```

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

```
.border{ border-color:rgb(248, 110, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 110, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 110, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 110, 250); box-shadow:4px 4px 4px 4px rgb(248, 110, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0104, 0.3171, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 110, 250) }
```

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

```
.background{ background-color: rgb(248,  
110, 250) }
```

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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