

Converting Colors

Yxy(38.4694, 0.3226, 0.2061)

Have a look what the booklet for
Yxy(38.4694, 0.3226, 0.2061)
contains.

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Color

Yxy(38.4944, 0.3223, 0.2058)

Conversions

Conversions Part 1

Format	Color
Hex	F674F2
RGB	246, 116, 242
RGB Percent	96%, 45%, 95%
CMY	0.0352, 0.5452, 0.0509
CMYK	0.00, 0.53, 0.02, 0.04
HSL	302°, 88%, 71%
HSV	302°, 53%, 96%
XYZ	60.2854, 38.4944, 88.2678
YIQ	169.2340, 37.0340, 66.7460

Conversions

Conversions Part 2

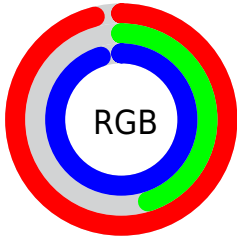
Format	Color
R _{YB}	246, 116, 242
Decimal	16151794
CIE _{Lab}	68.38, 65.88, -41.00
CIE _{LCh}	68, 77.590, 328.105
Y _{xy}	38.4944, 0.3223, 0.2058
Android (android.graphics.Color)	4294341874 (0xFFFF674F2)
YUV	169.2340, 35.8736, 67.3238
Hunter-Lab	62.0439, 64.8643, -40.9193

Details

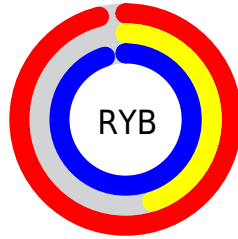
The Yxy color **38.4944, 0.3223, 0.2058** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **70.9931, 0.3030, 0.4940**, and the grayscale version is **39.6028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **17.0937, 0.3224, 0.1791** is the 20% darker color. If you saturate the color by 10%, you get **33.5110, 0.3241, 0.1882**, and if you desaturate by 10%, it is **44.9828, 0.3204, 0.2266**.

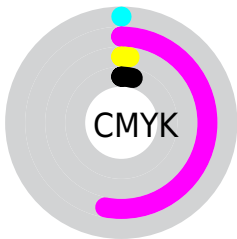
Distribution



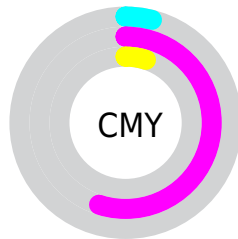
- Red (96%)
- Green (45%)
- Blue (95%)



- Red (96%)
- Yellow (45%)
- Blue (95%)



- Cyan (0%)
- Magenta (53%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4944, 0.3223, 0.2058 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 38.4944, 0.3223, 0.2058 by changing the saturation by 10% instead.


 38.4944, 0.3223,
0.2058

 38.4944, 0.3223,
0.2058


339.7361, 0.3201,
0.2617


 26.3666, 0.3222,
0.1935


 72.8653, 0.3220,
0.2249

 17.0981, 0.3218,
0.1787


 95.8772, 0.3217,
0.2324

 10.3045, 0.3207,
0.1605


 123.2860, 0.3215,
0.2389

 5.6013, 0.3184,
0.1379

155.4759, 0.3212,
0.2446

 2.6042, 0.3136,
0.1095

192.8316, 0.3209,
0.2497

 0.9288, 0.3035,
0.0742

235.7372, 0.3206,

 0.0000, 0.2908,

0.2541

0.0000

284.5772, 0.3203,
0.2581

■ 0.0000, 0.1985,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4944, 0.3223,
0.2058

■ 38.4944, 0.3223,
0.2058

■ 33.5110, 0.3241,
0.1882

■ 44.9828, 0.3204,
0.2266

■ 29.9062, 0.3257,
0.1745

■ 53.0792, 0.3185,
0.2495


■ 27.5413, 0.3271,
0.1652

■ 62.8834, 0.3167,
0.2737


■ 26.2468, 0.3282,
0.1601

■ 74.4858, 0.3149,
0.2982


 25.7957, 0.3289,
0.1586

 87.9703, 0.3132,
0.3223

 97.8054, 0.3120,
0.3372

 97.8522, 0.3116,
0.3365

 97.8992, 0.3111,
0.3357

 97.9464, 0.3107,
0.3350

Harmonies

Analogous

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



38.4944, 0.2211, 0.1746



38.4944, 0.3223, 0.2058



38.4944, 0.4414, 0.2601

Triad

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



38.4944, 0.3223, 0.2058



38.4944, 0.4663, 0.4804



38.4944, 0.1397, 0.2746

Complementary

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



38.4944, 0.3223, 0.2058



70.9931, 0.3030, 0.4940

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.



38.4944, 0.1855, 0.4008



38.4944, 0.3223, 0.2058



38.4944, 0.3732, 0.5395

Square

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



38.4944, 0.3223, 0.2058



38.4944, 0.5263, 0.4020



38.4944, 0.2711, 0.5194



38.4944, 0.1327, 0.1999

Rectangle

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



38.4944, 0.3223, 0.2058



38.4944, 0.5033, 0.3043



38.4944, 0.2711, 0.5194



38.4944, 0.1502, 0.3119

Sweetspot

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



38.4961, 0.3223, 0.2058



76.5937, 0.3154, 0.2904



23.0051, 0.2118, 0.1604



15.8317, 0.3158, 0.2854



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.



38.4961, 0.3223, 0.2058



36.2330, 0.3241, 0.1878



35.3326, 0.3899, 0.2630



16.7590, 0.3143, 0.3064



13.7700, 0.3288, 0.1585



1.2130, 0.3277, 0.1579

Inverse Universe

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



38.4961, 0.3223, 0.2058



36.2330, 0.3241, 0.1878



73.0632, 0.2734, 0.4100



16.7590, 0.3143, 0.3064



13.7700, 0.3288, 0.1585



1.2130, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 38.4944, 0.3223, 0.2058 looks on a white background.

Color Contrast Check

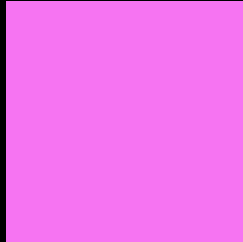
Large Text (above 18pt) WCAG AA × Fail

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 38.4944, 0.3223, 0.2058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

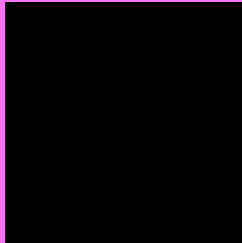
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4944, 0.3223, 0.2058

Background



This preview shows how black text looks on a background with the Yxy color 38.4944, 0.3223, 0.2058.



This preview shows how white text looks on a background with the Yxy color 38.4944, 0.3223, 0.2058.

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

38.4944, 0.3223, 0.2058

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.7228, 0.2466, 0.2407



Tritanopia

38.2973, 0.4061, 0.3179

Trichromacy



Original Color

38.4944, 0.3223, 0.2058



Protanomaly

36.8835, 0.2557, 0.2079



Deuteranomaly

36.7473, 0.2697, 0.2221



Tritanomaly

38.0022, 0.3742, 0.2721

Monochromacy



Original Color

38.4944, 0.3223, 0.2058



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.6685, 0.3164, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4944, 0.3223, 0.2058 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, 116, 242)` looks like.

```
.text, #text, p{  
    color:rgb(246, 116, 242)  
}
```

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, 116, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 116, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.4944, 0.3223, 0.2058 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, 116, 242) }
```

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

```
.border{ border-color:rgb(246, 116, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 116, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 116, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 116, 242);  
box-shadow:4px 4px 4px 4px rgb(246, 116,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4944, 0.3223, 0.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 116, 242) }
```

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

```
.background{ background-color: rgb(246,  
116, 242) }
```

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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