

Converting Colors

$Y_{xy}(41.0570, 0.3366, 0.2077)$

Have a look what the booklet for
Yxy(41.0570, 0.3366, 0.2077)
contains.

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Color

Yxy(39.3800, 0.3290, 0.2045)

Conversions

Conversions Part 1

Format	Color
Hex	FF70F4
RGB	255, 112, 244
RGB Percent	100%, 44%, 96%
CMY	0.0001, 0.5607, 0.0432
CMYK	0.00, 0.56, 0.04, 0.00
HSL	305°, 100%, 72%
HSV	305°, 56%, 100%
XYZ	63.3546, 39.3800, 89.8326
YIQ	169.8050, 42.8560, 71.3680

Conversions

Conversions Part 2

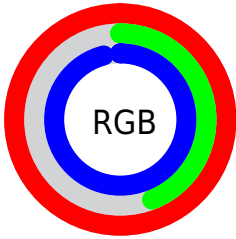
Format	Color
R_{YB}	255, 112, 244
Decimal	16740596
CIE _{Lab}	69.03, 70.28, -40.98
CIE _{LCh}	69, 81.355, 329.750
Yxy	39.3800, 0.3290, 0.2045
Android (android.graphics.Color)	4294930676 (0xFFFF70F4)
YUV	169.8050, 36.5781, 74.7160
Hunter-Lab	62.7535, 70.3913, -40.9471

Details

The Yxy color **39.3800, 0.3290, 0.2045** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.3845, 0.2998, 0.4977**, and the grayscale version is **39.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **17.5576, 0.3302, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **34.4090, 0.3322, 0.1885**, and if you desaturate by 10%, it is **45.9486, 0.3257, 0.2238**.

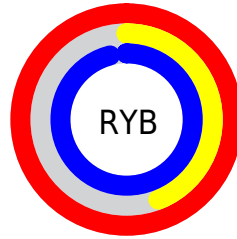
Distribution



Red (100%)

Green (44%)

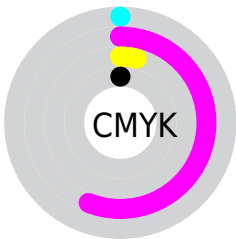
Blue (96%)



Red (100%)

Yellow (44%)

Blue (96%)

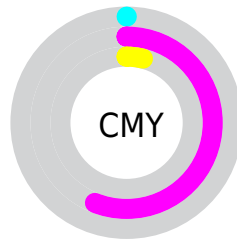


Cyan (0%)

Magenta (56%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3800, 0.3290, 0.2045 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 39.3800, 0.3290, 0.2045 by changing the saturation by 10% instead.


 39.3800, 0.3290,
0.2045


 39.3800, 0.3290,
0.2045

343.5034, 0.3236,
0.2606

 27.0555, 0.3297,
0.1923


 74.2185, 0.3276,
0.2235

 17.6149, 0.3302,
0.1775


 97.5012, 0.3269,
0.2311

 10.6739, 0.3303,
0.1595


 125.2055, 0.3262,
0.2376

 5.8480, 0.3297,
0.1372

157.7156, 0.3256,
0.2434

 2.7529, 0.3272,
0.1094

195.4161, 0.3251,
0.2484

 1.0041, 0.3206,
0.0749

238.6913, 0.3245,

 0.0000, 0.3149,

0.2529

0.0000

287.9256, 0.3240,
0.2570

■ 0.0000, 0.2519,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3800, 0.3290,
0.2045

■ 39.3800, 0.3290,
0.2045

■ 34.4090, 0.3322,
0.1885

■ 45.9486, 0.3257,
0.2238

■ 30.8919, 0.3353,
0.1766

■ 54.2316, 0.3226,
0.2455

■ 28.6685, 0.3382,
0.1692

■ 64.3412, 0.3195,
0.2685

■ 27.5377, 0.3407,
0.1661

■ 76.3785, 0.3167,
0.2920

 27.2749, 0.3417,
0.1656

 90.4372, 0.3141,
0.3153

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



39.3800, 0.2226, 0.1711



39.3800, 0.3290, 0.2045



39.3800, 0.4527, 0.2610

Triad

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



39.3800, 0.3290, 0.2045



39.3800, 0.4652, 0.4880



39.3800, 0.1330, 0.2660

Complementary

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



39.3800, 0.3290, 0.2045



76.3845, 0.2998, 0.4977

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.



39.3800, 0.1770, 0.3955



39.3800, 0.3290, 0.2045



39.3800, 0.3677, 0.5491

Square

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



39.3800, 0.3290, 0.2045



39.3800, 0.5310, 0.4065



39.3800, 0.2629, 0.5238



39.3800, 0.1283, 0.1926

Rectangle

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



39.3800, 0.3290, 0.2045



39.3800, 0.5146, 0.3064



39.3800, 0.2629, 0.5238



39.3800, 0.1428, 0.3036

Sweetspot

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



39.3818, 0.3290, 0.2045



75.1792, 0.3170, 0.2898



22.9197, 0.2092, 0.1507



15.5477, 0.3175, 0.2851



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.



39.3818, 0.3290, 0.2045



34.0259, 0.3325, 0.1872



35.9065, 0.4060, 0.2667



18.2748, 0.3150, 0.3074



14.2645, 0.3413, 0.1654



1.3958, 0.3387, 0.1640

Inverse Universe

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



39.3818, 0.3290, 0.2045



34.0259, 0.3325, 0.1872



78.8054, 0.2687, 0.4066



18.2748, 0.3150, 0.3074



14.2645, 0.3413, 0.1654



1.3958, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 39.3800, 0.3290, 0.2045 looks on a white background.

Color Contrast Check

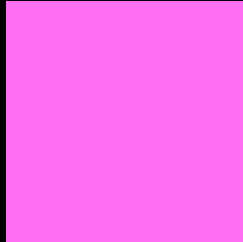
Large Text (above 18pt) WCAG AA × Fail

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 39.3800, 0.3290, 0.2045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

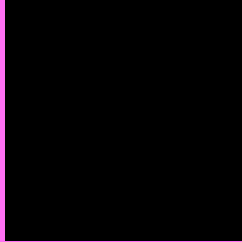
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3800, 0.3290, 0.2045

Background



This preview shows how black text looks on a background with the Yxy color 39.3800, 0.3290, 0.2045.



This preview shows how white text looks on a background with the Yxy color 39.3800, 0.3290, 0.2045.

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

39.3800, 0.3290, 0.2045

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.7466, 0.2472, 0.2416



Tritanopia

39.2310, 0.4181, 0.3184

Trichromacy



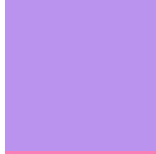
Original Color

39.3800, 0.3290, 0.2045



Protanomaly

37.1065, 0.2580, 0.2069



Deuteranomaly

37.4796, 0.2724, 0.2214



Tritanomaly

38.7722, 0.3851, 0.2721

Monochromacy



Original Color

39.3800, 0.3290, 0.2045



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

37.9436, 0.3194, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3800, 0.3290, 0.2045 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(255, 112, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 244)  
}
```

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(255, 112, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 244) }
```

Border

The CSS property to change the border of an element to Yxy 39.3800, 0.3290, 0.2045 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(255, 112, 244) }
```

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

```
.border{ border-color:rgb(255, 112, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3800, 0.3290, 0.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 244) }
```

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

```
.background{ background-color: rgb(255,  
112, 244) }
```

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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