

Converting Colors

$Y_{xy}(42.2752, 0.3223, 0.2076)$

Have a look what the booklet for
Yxy(42.2752, 0.3223, 0.2076)
contains.

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Color

Yxy(42.3910, 0.3221, 0.2077)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BFB
RGB	255, 123, 251
RGB Percent	100%, 48%, 98%
CMY	0.0000, 0.5177, 0.0158
CMYK	0.00, 0.52, 0.02, 0.00
HSL	302°, 100%, 74%
HSV	302°, 52%, 100%
XYZ	65.7397, 42.3910, 95.9665
YIQ	177.0600, 37.5840, 67.7920

Conversions

Conversions Part 2

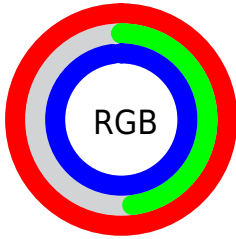
Format	Color
R _Y B	255, 123, 251
Decimal	16743419
CIE Lab	71.14, 66.58, -41.52
CIE LCh	71, 78.462, 328.054
Yxy	42.3910, 0.3221, 0.2077
Android (android.graphics.Color)	4294933499 (0xFFFF7BFB)
YUV	177.0600, 36.4524, 68.3534
Hunter-Lab	65.1084, 66.2913, -41.8147

Details

The Yxy color **42.3910, 0.3221, 0.2077** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.2631, 0.3032, 0.4906**, and the grayscale version is **43.7856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **19.4114, 0.3221, 0.1818** is the 20% darker color. If you saturate the color by 10%, you get **36.8156, 0.3238, 0.1897**, and if you desaturate by 10%, it is **49.6076, 0.3202, 0.2288**.

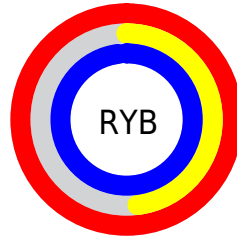
Distribution



Red (100%)

Green (48%)

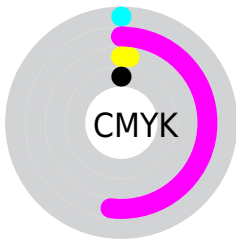
Blue (98%)



Red (100%)

Yellow (48%)

Blue (98%)

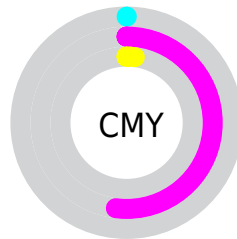


Cyan (0%)

Magenta (52%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3910, 0.3221, 0.2077 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 42.3910, 0.3221, 0.2077 by changing the saturation by 10% instead.


 42.3910, 0.3221,
0.2077


 42.3910, 0.3221,
0.2077


356.1012, 0.3200,
0.2620

 29.4076, 0.3220,
0.1960


 78.7910, 0.3218,
0.2260

 19.3894, 0.3216,
0.1818


 102.9765, 0.3216,
0.2333

 11.9520, 0.3207,
0.1646


 131.6647, 0.3213,
0.2397

 6.7110, 0.3187,
0.1433

165.2400, 0.3210,
0.2452

 3.2820, 0.3147,
0.1166

204.0870, 0.3207,
0.2501

 1.2807, 0.3062,
0.0834

248.5899, 0.3205,

 0.1262, 0.2960,

0.2545

0.0177

299.1332, 0.3202,
0.2584

■ 0.0000, 0.2461,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3910, 0.3221,
0.2077

■ 42.3910, 0.3221,
0.2077

■ 36.8156, 0.3238,
0.1897

■ 49.6076, 0.3202,
0.2288

■ 32.7600, 0.3255,
0.1756


■ 58.5914, 0.3183,
0.2519


■ 30.0704, 0.3269,
0.1658

■ 69.4456, 0.3165,
0.2762

■ 28.5655, 0.3280,
0.1604

■ 82.2678, 0.3147,
0.3008

 27.9898, 0.3288,
0.1585

 97.1490, 0.3130,
0.3248

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.



42.3910, 0.2227, 0.1769



42.3910, 0.3221, 0.2077



42.3910, 0.4387, 0.2613

Triad

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



42.3910, 0.3221, 0.2077



42.3910, 0.4646, 0.4785



42.3910, 0.1425, 0.2762

Complementary

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



42.3910, 0.3221, 0.2077



77.2631, 0.3032, 0.4906

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.



42.3910, 0.1881, 0.3996



42.3910, 0.3221, 0.2077



42.3910, 0.3732, 0.5355

Square

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



42.3910, 0.3221, 0.2077



42.3910, 0.5228, 0.4016



42.3910, 0.2726, 0.5149



42.3910, 0.1354, 0.2024

Rectangle

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



42.3910, 0.3221, 0.2077



42.3910, 0.4993, 0.3051



42.3910, 0.2726, 0.5149



42.3910, 0.1530, 0.3128

Sweetspot

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



42.3879, 0.3221, 0.2077



76.5947, 0.3154, 0.2904



25.7586, 0.2139, 0.1639



15.8319, 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.



42.3879, 0.3221, 0.2077



36.7046, 0.3239, 0.1893



39.0033, 0.3878, 0.2641



18.2903, 0.3143, 0.3063



14.6296, 0.3287, 0.1584



1.4273, 0.3277, 0.1579

Inverse Universe

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



42.3879, 0.3221, 0.2077



36.7046, 0.3239, 0.1893



79.5007, 0.2739, 0.4081



18.2903, 0.3143, 0.3063



14.6296, 0.3287, 0.1584



1.4273, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 42.3910, 0.3221, 0.2077 looks on a white background.

Color Contrast Check

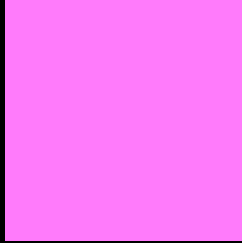
Large Text (above 18pt) WCAG AA × Fail

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 42.3910, 0.3221, 0.2077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

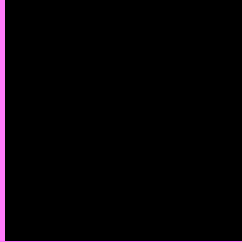
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3910, 0.3221, 0.2077

Background



This preview shows how black text looks on a background with the Yxy color 42.3910, 0.3221, 0.2077.



This preview shows how white text looks on a background with the Yxy color 42.3910, 0.3221, 0.2077.

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

42.3910, 0.3221, 0.2077

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.5913, 0.2481, 0.2417



Tritanopia

42.2252, 0.4032, 0.3172

Trichromacy



Original Color

42.3910, 0.3221, 0.2077



Protanomaly

40.7061, 0.2624, 0.2149



Deuteranomaly

40.5226, 0.2706, 0.2237



Tritanomaly

41.8950, 0.3728, 0.2730

Monochromacy



Original Color

42.3910, 0.3221, 0.2077



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.4527, 0.3163, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3910, 0.3221, 0.2077 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, 123, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 251)  
}
```

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, 123, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 251) }
```

Border

The CSS property to change the border of an element to Yxy 42.3910, 0.3221, 0.2077 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, 123, 251) }
```

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

```
.border{ border-color:rgb(255, 123, 251) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3910, 0.3221, 0.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 251) }
```

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

```
.background{ background-color: rgb(255,  
123, 251) }
```

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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