

Converting Colors

Yxy(83.4736, 0.4337, 0.2609)

Have a look what the booklet for
Yxy(83.4736, 0.4337, 0.2609)
contains.

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Color

Yxy(46.7935, 0.3238, 0.2243)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CF8
RGB	255, 140, 248
RGB Percent	100%, 55%, 97%
CMY	0.0001, 0.4509, 0.0275
CMYK	0.00, 0.45, 0.03, 0.00
HSL	304°, 100%, 77%
HSV	304°, 45%, 100%
XYZ	67.5512, 46.7935, 94.2754
YIQ	186.6970, 33.8720, 57.9680

Conversions

Conversions Part 2

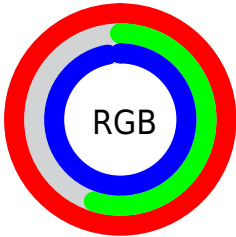
Format	Color
R _{YB}	255, 140, 248
Decimal	16747768
CIE _{Lab}	74.06, 58.03, -35.35
CIE _{LCh}	74, 67.947, 328.649
Yxy	46.7935, 0.3238, 0.2243
Android (android.graphics.Color)	4294937848 (0xFFFF8CF8)
YUV	186.6970, 30.2224, 59.9017
Hunter-Lab	68.4058, 56.5600, -33.8282

Details

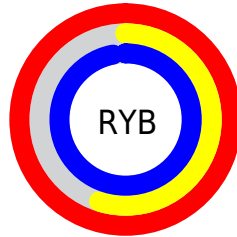
The Yxy color **46.7935, 0.3238, 0.2243** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1830, 0.3028, 0.4626**, and the grayscale version is **49.3305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.9943, 0.3247, 0.2016** is the 20% darker color. If you saturate the color by 10%, you get **40.0904, 0.3265, 0.2045**, and if you desaturate by 10%, it is **55.2277, 0.3211, 0.2464**.

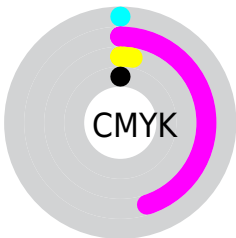
Distribution



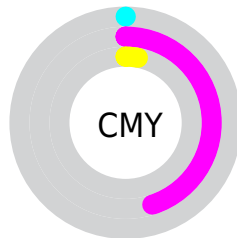
- Red (100%)
- Green (55%)
- Blue (97%)



- Red (100%)
- Yellow (55%)
- Blue (97%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7935, 0.3238, 0.2243 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 46.7935, 0.3238, 0.2243 by changing the saturation by 10% instead.

 46.7935, 0.3238,
0.2243


 46.7935, 0.3238,
0.2243


373.9897, 0.3202,
0.2714

 32.8724, 0.3242,
0.2140


 85.4053, 0.3229,
0.2403

 22.0287, 0.3245,
0.2015


 110.8648, 0.3224,
0.2466

 13.8780, 0.3246,
0.1862


140.9393, 0.3220,
0.2521

 8.0359, 0.3241,
0.1669

176.0131, 0.3216,
0.2569

 4.1179, 0.3225,
0.1423

216.4707, 0.3212,
0.2612

 1.7397, 0.3182,
0.1103

262.6963, 0.3209,

 0.4492, 0.3100,

0.2650

0.0607

315.0745, 0.3205,
0.2683

■ 0.0000, 0.2844,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7935, 0.3238,
0.2243

■ 46.7935, 0.3238,
0.2243

■ 40.0904, 0.3265,
0.2045

■ 55.2277, 0.3211,
0.2464

■ 34.9912, 0.3292,
0.1880

■ 65.4959, 0.3185,
0.2699

■ 31.3615, 0.3318,
0.1756

■ 77.7007, 0.3160,
0.2938

■ 29.0421, 0.3341,
0.1675

■ 91.9349, 0.3138,
0.3173

■ 27.8371, 0.3361,
0.1638

99.9936, 0.3127,
0.3290

■ 27.5155, 0.3371,
0.1630

Harmonies

Analogous

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



46.7935, 0.2375, 0.1962



46.7935, 0.3238, 0.2243



46.7935, 0.4207, 0.2729

Triad

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



46.7935, 0.3238, 0.2243



46.7935, 0.4463, 0.4638



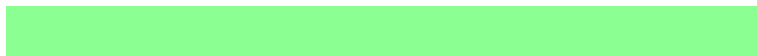
46.7935, 0.1645, 0.2854

Complementary

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



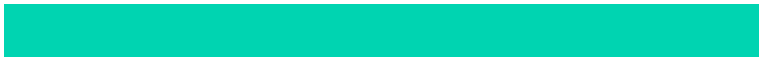
46.7935, 0.3238, 0.2243



79.1830, 0.3028, 0.4626

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.



46.7935, 0.2061, 0.3862



46.7935, 0.3238, 0.2243



46.7935, 0.3681, 0.5037

Square

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



46.7935, 0.3238, 0.2243



46.7935, 0.4934, 0.3997



46.7935, 0.2803, 0.4793



46.7935, 0.1573, 0.2204

Rectangle

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



46.7935, 0.3238, 0.2243



46.7935, 0.4708, 0.3126



46.7935, 0.2803, 0.4793



46.7935, 0.1743, 0.3160

Sweetspot

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



46.7956, 0.3238, 0.2243



79.1611, 0.3158, 0.2963



32.0733, 0.2308, 0.1886



16.3337, 0.3163, 0.2912



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.



46.7956, 0.3238, 0.2243



40.7464, 0.3263, 0.2065



43.8132, 0.3781, 0.2757



18.2802, 0.3147, 0.3070



14.3900, 0.3368, 0.1629



1.4066, 0.3348, 0.1618

Inverse Universe

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



46.7956, 0.3238, 0.2243



40.7464, 0.3263, 0.2065



81.3999, 0.2757, 0.3911



18.2802, 0.3147, 0.3070



14.3900, 0.3368, 0.1629



1.4066, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 46.7935, 0.3238, 0.2243 looks on a white background.

Color Contrast Check

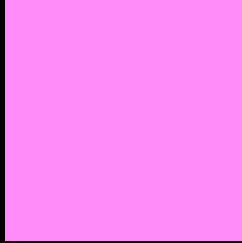
Large Text (above 18pt) WCAG AA × Fail

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 46.7935, 0.3238, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

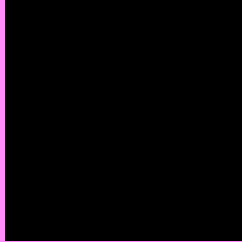
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7935, 0.3238, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 46.7935, 0.3238, 0.2243.



This preview shows how white text looks on a background with the Yxy color 46.7935, 0.3238, 0.2243.

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

46.7935, 0.3238, 0.2243

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

46.9159, 0.2605, 0.2539



Tritanopia

46.7308, 0.3872, 0.3172

Trichromacy



Original Color

46.7935, 0.3238, 0.2243



Protanomaly

45.2760, 0.2700, 0.2306



Deuteranomaly

45.7213, 0.2808, 0.2395



Tritanomaly

46.3502, 0.3637, 0.2794

Monochromacy



Original Color

46.7935, 0.3238, 0.2243



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.3499, 0.3175, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7935, 0.3238, 0.2243 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, 140, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 248)  
}
```

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, 140, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 248) }
```

Border

The CSS property to change the border of an element to Yxy 46.7935, 0.3238, 0.2243 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, 140, 248) }
```

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

```
.border{ border-color:rgb(255, 140, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7935, 0.3238, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 248) }
```

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

```
.background{ background-color: rgb(255,  
140, 248) }
```

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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