

Converting Colors

$Y_{xy}(46.8590, 0.3349, 0.2375)$

Have a look what the booklet for
Yxy(46.8590, 0.3349, 0.2375)
contains.

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Color

Yxy(46.9031, 0.3351, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FEB
RGB	255, 143, 235
RGB Percent	100%, 56%, 92%
CMY	0.0000, 0.4393, 0.0783
CMYK	0.00, 0.44, 0.08, 0.00
HSL	311°, 100%, 78%
HSV	311°, 44%, 100%
XYZ	66.0665, 46.9031, 84.1851
YIQ	186.9760, 37.2200, 52.3560

Conversions

Conversions Part 2

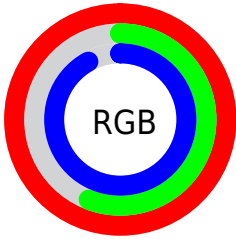
Format	Color
R _Y B	255, 143, 235
Decimal	16748523
CIE Lab	74.13, 54.43, -28.17
CIE LCh	74, 61.289, 332.635
Yxy	46.9031, 0.3351, 0.2379
Android (android.graphics.Color)	4294938603 (0xFFFF8FEB)
YUV	186.9760, 23.6758, 59.6570
Hunter-Lab	68.4858, 52.3442, -24.9411

Details

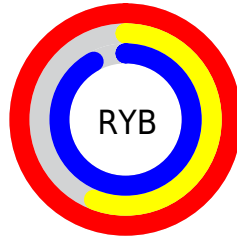
The Yxy color **46.9031, 0.3351, 0.2379** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.0017, 0.2967, 0.4421**, and the grayscale version is **49.5246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **22.1352, 0.3389, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **39.8365, 0.3417, 0.2195**, and if you desaturate by 10%, it is **55.7115, 0.3290, 0.2581**.

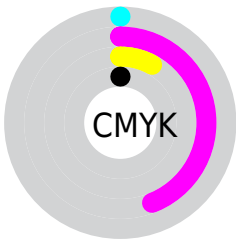
Distribution



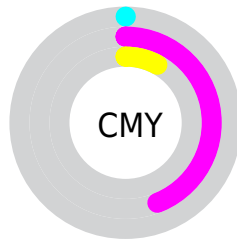
- Red (100%)
- Green (56%)
- Blue (92%)



- Red (100%)
- Yellow (56%)
- Blue (92%)



- Cyan (0%)
- Magenta (44%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9031, 0.3351, 0.2379 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 46.9031, 0.3351, 0.2379 by changing the saturation by 10% instead.


 46.9031, 0.3351,
0.2379


 46.9031, 0.3351,
0.2379


374.4276, 0.3256,
0.2795

 32.9591, 0.3371,
0.2286


 85.5690, 0.3320,
0.2522

 22.0951, 0.3393,
0.2173


 111.0596, 0.3307,
0.2578

 13.9268, 0.3420,
0.2031


141.1678, 0.3296,
0.2626

 8.0698, 0.3451,
0.1851

176.2781, 0.3286,
0.2669

 4.1396, 0.3487,
0.1615

216.7749, 0.3277,
0.2706

 1.7520, 0.3523,
0.1297

263.0424, 0.3269,

 0.4570, 0.3579,

0.2739

0.0764

315.4652, 0.3262,
0.2769

■ 0.0000, 0.3547,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9031, 0.3351,
0.2379

■ 46.9031, 0.3351,
0.2379

■ 39.8365, 0.3417,
0.2195

■ 55.7115, 0.3290,
0.2581

■ 34.3992, 0.3486,
0.2040

■ 66.3770, 0.3234,
0.2793

■ 30.4544, 0.3556,
0.1923

■ 78.9967, 0.3185,
0.3005

■ 27.8460, 0.3626,
0.1851

■ 93.6630, 0.3142,
0.3211

■ 26.3834, 0.3692,
0.1826

100.0000, 0.3127,
0.3290

■ 25.8893, 0.3730,
0.1829

Harmonies

Analogous

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



46.9031, 0.2536, 0.2088



46.9031, 0.3351, 0.2379



46.9031, 0.4206, 0.2853

Triad

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



46.9031, 0.3351, 0.2379



46.9031, 0.4281, 0.4604



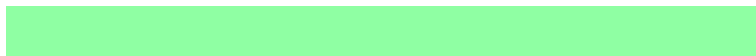
46.9031, 0.1740, 0.2808

Complementary

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



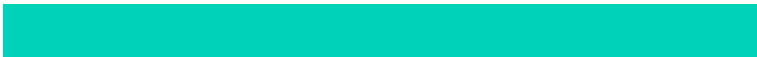
46.9031, 0.3351, 0.2379



80.0017, 0.2967, 0.4421

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.



46.9031, 0.2091, 0.3680



46.9031, 0.3351, 0.2379



46.9031, 0.3547, 0.4873

Square

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



46.9031, 0.3351, 0.2379



46.9031, 0.4745, 0.4047



46.9031, 0.2745, 0.4542



46.9031, 0.1708, 0.2253

Rectangle

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



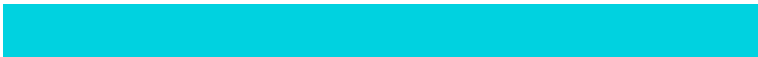
46.9031, 0.3351, 0.2379



46.9031, 0.4620, 0.3233



46.9031, 0.2745, 0.4542



46.9031, 0.1820, 0.3071

Sweetspot

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



46.9008, 0.3351, 0.2379



80.2679, 0.3181, 0.3024



34.5068, 0.2423, 0.1958



16.5385, 0.3191, 0.2978



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.



46.9008, 0.3351, 0.2379



40.4205, 0.3411, 0.2211



44.2098, 0.3896, 0.2903



18.2415, 0.3165, 0.3097



13.5479, 0.3720, 0.1823



1.3330, 0.3651, 0.1785

Inverse Universe

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



46.9008, 0.3351, 0.2379



40.4205, 0.3411, 0.2211



82.4029, 0.2702, 0.3729



18.2415, 0.3165, 0.3097



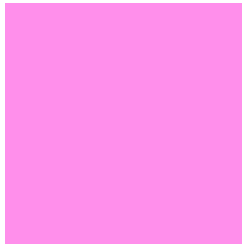
13.5479, 0.3720, 0.1823



1.3330, 0.3651, 0.1785

Previews

White Background



This preview shows how the Yxy color 46.9031, 0.3351, 0.2379 looks on a white background.

Color Contrast Check

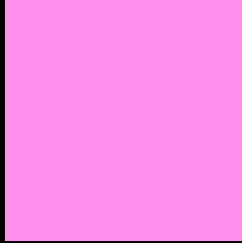
Large Text (above 18pt) WCAG AA × Fail

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 46.9031, 0.3351, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

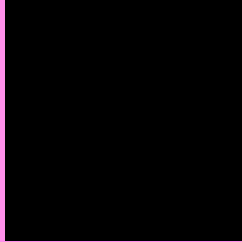
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9031, 0.3351, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 46.9031, 0.3351, 0.2379.



This preview shows how white text looks on a background with the Yxy color 46.9031, 0.3351, 0.2379.

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

46.9031, 0.3351, 0.2379

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.2445, 0.2744, 0.2679



Tritanopia

46.7527, 0.3894, 0.3162

Trichromacy



Original Color

46.9031, 0.3351, 0.2379



Protanomaly

45.8841, 0.2736, 0.2368



Deuteranomaly

46.0211, 0.2942, 0.2543



Tritanomaly

46.6307, 0.3694, 0.2858

Monochromacy



Original Color

46.9031, 0.3351, 0.2379



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.4825, 0.3216, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9031, 0.3351, 0.2379 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, 143, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 235)  
}
```

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, 143, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 235) }
```

Border

The CSS property to change the border of an element to Yxy 46.9031, 0.3351, 0.2379 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, 143, 235) }
```

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

```
.border{ border-color:rgb(255, 143, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9031, 0.3351, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 235) }
```

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

```
.background{ background-color: rgb(255,  
143, 235) }
```

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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