

Converting Colors

Yxy(57.4728, 0.2364, 0.1473)

Have a look what the booklet for
Yxy(57.4728, 0.2364, 0.1473)
contains.

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Color

Yxy(46.7039, 0.3084, 0.2199)

Conversions

Conversions Part 1

Format	Color
Hex	F491FF
RGB	244, 145, 255
RGB Percent	96%, 57%, 100%
CMY	0.0429, 0.4315, 0.0000
CMYK	0.04, 0.43, 0.00, 0.00
HSL	294°, 100%, 78%
HSV	294°, 43%, 100%
XYZ	65.5001, 46.7039, 100.1829
YIQ	187.1410, 23.6940, 55.1980

Conversions

Conversions Part 2

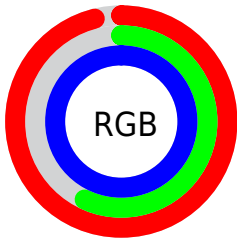
Format	Color
R _Y B	244, 145, 255
Decimal	16028159
CIE Lab	74.00, 53.71, -39.35
CIE LCh	74, 66.585, 323.772
Yxy	46.7039, 0.3084, 0.2199
Android (android.graphics.Color)	4294218239 (0xFFFF491FF)
YUV	187.1410, 33.4545, 49.8653
Hunter-Lab	68.3403, 51.4864, -39.0776

Details

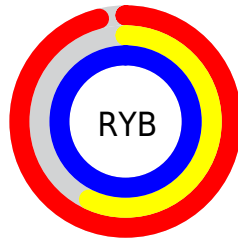
The Yxy color **46.7039, 0.3084, 0.2199** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.6224, 0.3124, 0.4616**, and the grayscale version is **49.5743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **21.9985, 0.3051, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **39.3185, 0.3066, 0.1971**, and if you desaturate by 10%, it is **55.8461, 0.3099, 0.2447**.

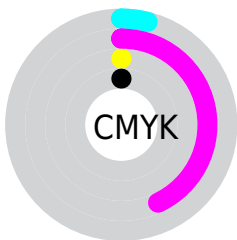
Distribution



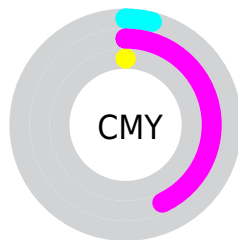
- Red (96%)
- Green (57%)
- Blue (100%)



- Red (96%)
- Yellow (57%)
- Blue (100%)



- Cyan (4%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7039, 0.3084, 0.2199 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 46.7039, 0.3084, 0.2199 by changing the saturation by 10% instead.


 46.7039, 0.3084,
0.2199

 46.7039, 0.3084,
0.2199


373.6314, 0.3124,
0.2688

 32.8016, 0.3070,
0.2092


 85.2715, 0.3102,
0.2365

 21.9745, 0.3051,
0.1964


 110.7056, 0.3107,
0.2431

 13.8382, 0.3023,
0.1806

140.7524, 0.3112,
0.2488

 8.0082, 0.2980,
0.1608

175.7964, 0.3115,
0.2538

 4.1002, 0.2912,
0.1358

216.2218, 0.3118,
0.2582

 1.7298, 0.2796,
0.1037

262.4132, 0.3120,

 0.4428, 0.2602,

0.2621

0.0553

314.7550, 0.3122,
0.2657

0.0000, 0.2160,
0.0000

0.0000, 0.0000,
0.0000

46.7039, 0.3084,
0.2199

46.7039, 0.3084,
0.2199

39.3185, 0.3066,
0.1971

55.8461, 0.3099,
0.2447

33.5684, 0.3046,
0.1774

66.8495, 0.3111,
0.2704

29.3214, 0.3023,
0.1615

79.8141, 0.3119,
0.2962

26.4236, 0.2998,
0.1500

94.8315, 0.3126,
0.3213

■ 24.6878, 0.2973,
0.1430

100.0000, 0.3127,
0.3290

■ 23.9839, 0.2955,
0.1402

Harmonies

Analogous

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



46.7039, 0.2277, 0.1960



46.7039, 0.3084, 0.2199



46.7039, 0.4041, 0.2651

Triad

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



46.7039, 0.3084, 0.2199



46.7039, 0.4546, 0.4525



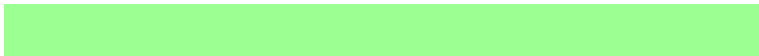
46.7039, 0.1711, 0.3006

Complementary

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



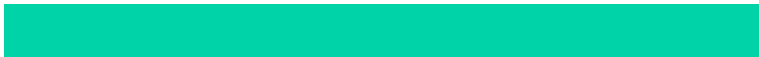
46.7039, 0.3084, 0.2199



80.6224, 0.3124, 0.4616

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.



46.7039, 0.2181, 0.4023



46.7039, 0.3084, 0.2199



46.7039, 0.3813, 0.4974

Square

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



46.7039, 0.3084, 0.2199



46.7039, 0.4933, 0.3884



46.7039, 0.2950, 0.4853



46.7039, 0.1587, 0.2301

Rectangle

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



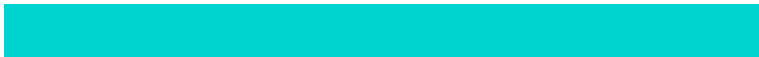
46.7039, 0.3084, 0.2199



46.7039, 0.4578, 0.3033



46.7039, 0.2950, 0.4853



46.7039, 0.1829, 0.3325

Sweetspot

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



46.7049, 0.3084, 0.2199



80.0230, 0.3120, 0.2966



37.0045, 0.2335, 0.2077



16.4772, 0.3118, 0.2909



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.



46.7049, 0.3084, 0.2199



40.0819, 0.3068, 0.1996



46.2039, 0.3575, 0.2617



18.2032, 0.3122, 0.3055



12.5695, 0.2959, 0.1404



1.2493, 0.2990, 0.1421

Inverse Universe

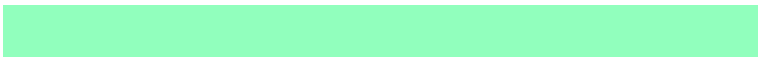
The Inverse Universe completely reimagines the original color for something new.



43.8986, 0.4153, 0.3178



37.0433, 0.4493, 0.3160



81.2103, 0.2850, 0.4088



18.0164, 0.3279, 0.3267



11.1559, 0.6289, 0.3238



1.0955, 0.6077, 0.3122

Previews

White Background



This preview shows how the Yxy color 46.7039, 0.3084, 0.2199 looks on a white background.

Color Contrast Check

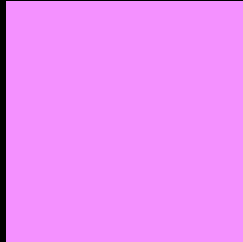
Large Text (above 18pt) WCAG AA × Fail

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 46.7039, 0.3084, 0.2199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

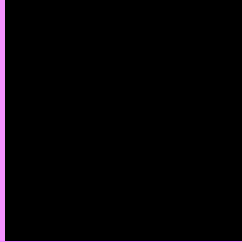
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7039, 0.3084, 0.2199

Background



This preview shows how black text looks on a background with the Yxy color 46.7039, 0.3084, 0.2199.



This preview shows how white text looks on a background with the Yxy color 46.7039, 0.3084, 0.2199.

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

46.7039, 0.3084, 0.2199

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

47.1635, 0.2521, 0.2461



Tritanopia

46.6132, 0.3685, 0.3155

Trichromacy



Original Color

46.7039, 0.3084, 0.2199



Protanomaly

45.6762, 0.2654, 0.2293



Deuteranomaly

45.8089, 0.2701, 0.2336

Tritanomaly

46.1411, 0.3459, 0.2766

Monochromacy



Original Color

46.7039, 0.3084, 0.2199



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.6684, 0.3115, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7039, 0.3084, 0.2199 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(244, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 145, 255)  
}
```

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(244, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.7039, 0.3084, 0.2199 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(244, 145, 255) }
```

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

```
.border{ border-color:rgb(244, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7039, 0.3084, 0.2199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 145, 255) }
```

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

```
.background{ background-color: rgb(244,  
145, 255) }
```

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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