

Converting Colors

$Y_{xy}(46.9157, 0.2971, 0.2239)$

Have a look what the booklet for
Yxy(46.9157, 0.2971, 0.2239)
contains.

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Color

Yxy(46.9914, 0.2974, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	E799FF
RGB	231, 153, 255
RGB Percent	91%, 60%, 100%
CMY	0.0943, 0.3999, 0.0000
CMYK	0.09, 0.40, 0.00, 0.00
HSL	286°, 100%, 80%
HSV	286°, 40%, 100%
XYZ	62.3895, 46.9914, 100.4022
YIQ	187.9500, 13.7460, 48.2580

Conversions

Conversions Part 2

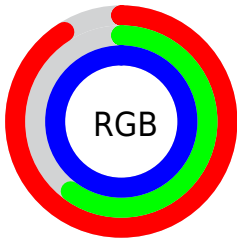
Format	Color
R _Y B	231, 153, 255
Decimal	15178239
CIE Lab	74.18, 45.81, -39.18
CIE LCh	74, 60.279, 319.465
Yxy	46.9914, 0.2974, 0.2240
Android (android.graphics.Color)	4293368319 (0xFFE799FF)
YUV	187.9500, 33.0557, 37.7549
Hunter-Lab	68.5503, 42.4947, -38.8539

Details

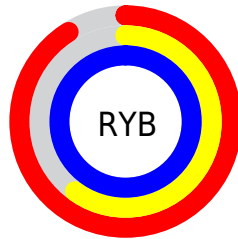
The Yxy color **46.9914, 0.2974, 0.2240** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.1741, 0.3209, 0.4474**, and the grayscale version is **50.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **22.1902, 0.2917, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **38.5340, 0.2920, 0.1983**, and if you desaturate by 10%, it is **57.2686, 0.3022, 0.2509**.

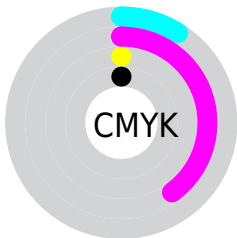
Distribution



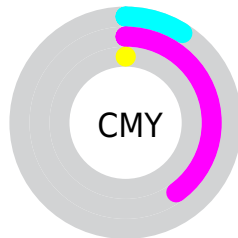
- Red (91%)
- Green (60%)
- Blue (100%)



- Red (91%)
- Yellow (60%)
- Blue (100%)



- Cyan (9%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9914, 0.2974, 0.2240 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 46.9914, 0.2974, 0.2240 by changing the saturation by 10% instead.

 46.9914, 0.2974,
0.2240


 46.9914, 0.2974,
0.2240


374.7802, 0.3064,
0.2715

 33.0289, 0.2949,
0.2136


 85.7008, 0.3009,
0.2402

 22.1486, 0.2916,
0.2009


 111.2164, 0.3022,
0.2465

 13.9661, 0.2870,
0.1854

141.3519, 0.3032,
0.2521

 8.0971, 0.2805,
0.1658

176.4915, 0.3041,
0.2569

 4.1571, 0.2707,
0.1409

217.0198, 0.3048,
0.2612

 1.7618, 0.2550,
0.1085

263.3211, 0.3054,

 0.4632, 0.2297,

0.2650

0.0597

315.7797, 0.3060,
0.2684

0.0000, 0.1693,
0.0000

0.0000, 0.0000,
0.0000

46.9914, 0.2974,
0.2240

46.9914, 0.2974,
0.2240

38.5340, 0.2920,
0.1983

57.2686, 0.3022,
0.2509

31.7785, 0.2861,
0.1748

69.4675, 0.3064,
0.2778

26.5976, 0.2798,
0.1547

83.6859, 0.3098,
0.3041

22.8443, 0.2733,
0.1389

100.0000, 0.3127,
0.3290

■ 20.3438, 0.2669,
0.1279

■ 18.8103, 0.2607,
0.1210

■ 18.8092, 0.2607,
0.1210

Harmonies

Analogous

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



46.9914, 0.2266, 0.2050



46.9914, 0.2974, 0.2240



46.9914, 0.3837, 0.2637

Triad

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



46.9914, 0.2974, 0.2240



46.9914, 0.4510, 0.4364



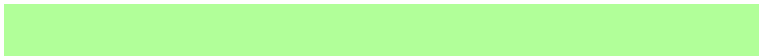
46.9914, 0.1872, 0.3165

Complementary

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



46.9914, 0.2974, 0.2240



83.1741, 0.3209, 0.4474

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.



46.9914, 0.2360, 0.4078



46.9914, 0.2974, 0.2240



46.9914, 0.3881, 0.4788

Square

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



46.9914, 0.2974, 0.2240



46.9914, 0.4784, 0.3774



46.9914, 0.3095, 0.4743



46.9914, 0.1705, 0.2467

Rectangle

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



46.9914, 0.2974, 0.2240



46.9914, 0.4348, 0.2985



46.9914, 0.3095, 0.4743



46.9914, 0.2000, 0.3462

Sweetspot

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



46.9924, 0.2974, 0.2240



80.6644, 0.3092, 0.2989



46.0405, 0.2430, 0.2370



16.8545, 0.3088, 0.2955



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.



46.9924, 0.2974, 0.2240



40.0793, 0.2931, 0.2033



49.7345, 0.3391, 0.2523



18.0720, 0.3100, 0.3053



9.8998, 0.2618, 0.1216



1.0135, 0.2688, 0.1254

Inverse Universe

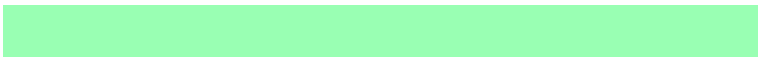
The Inverse Universe completely reimagines the original color for something new.



47.2256, 0.3899, 0.3040



40.5147, 0.4141, 0.2993



81.5294, 0.2943, 0.4210



18.0572, 0.3257, 0.3234



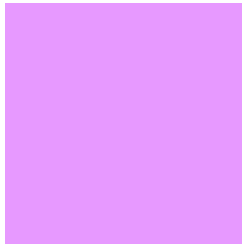
11.2988, 0.5979, 0.3068



1.1162, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 46.9914, 0.2974, 0.2240 looks on a white background.

Color Contrast Check

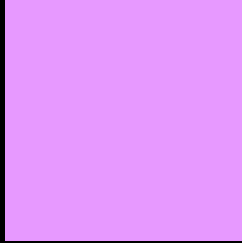
Large Text (above 18pt) WCAG AA × Fail

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 46.9914, 0.2974, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

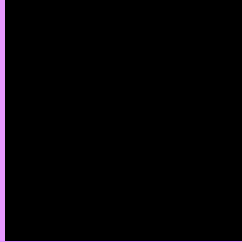
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9914, 0.2974, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 46.9914, 0.2974, 0.2240.



This preview shows how white text looks on a background with the Yxy color 46.9914, 0.2974, 0.2240.

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

46.9914, 0.2974, 0.2240

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.2260, 0.2516, 0.2451



Tritanopia

46.9690, 0.3484, 0.3138

Trichromacy



Original Color

46.9914, 0.2974, 0.2240



Protanomaly

46.2837, 0.2628, 0.2320



Deuteranomaly

46.3425, 0.2661, 0.2352

Tritanomaly

46.6451, 0.3287, 0.2770

Monochromacy



Original Color

46.9914, 0.2974, 0.2240



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.2508, 0.3080, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9914, 0.2974, 0.2240 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(231, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 153, 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(231, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9914, 0.2974, 0.2240 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(231, 153, 255) }
```

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

```
.border{ border-color:rgb(231, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9914, 0.2974, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 153, 255) }
```

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

```
.background{ background-color: rgb(231,  
153, 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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