

Converting Colors

$Y_{xy}(46.2448, 0.2972, 0.2218)$

Have a look what the booklet for
Yxy(46.2448, 0.2972, 0.2218)
contains.

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Color

Yxy(46.3421, 0.2974, 0.2221)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E797FF |
| RGB | 231, 151, 255 |
| RGB Percent | 91%, 59%, 100% |
| CMY | 0.0943, 0.4077, 0.0001 |
| CMYK | 0.09, 0.41, 0.00, 0.00 |
| HSL | 286°, 100%, 80% |
| HSV | 286°, 41%, 100% |
| XYZ | 62.0538, 46.3421, 100.2583 |
| YIQ | 186.7760, 14.2960, 49.3040 |

Conversions

Conversions Part 2

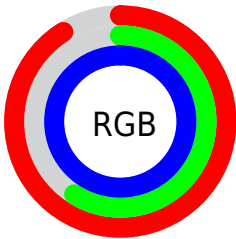
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 231, 151, 255 |
| Decimal | 15177727 |
| CIE _{Lab} | 73.77, 46.83, -39.80 |
| CIE _{LCh} | 74, 61.460, 319.638 |
| Yxy | 46.3421, 0.2974, 0.2221 |
| Android (android.graphics.Color) | 4293367807 (0xFFE797FF) |
| YUV | 186.7760, 33.6344, 38.7844 |
| Hunter-Lab | 68.0750, 43.5803, -39.6676 |

Details

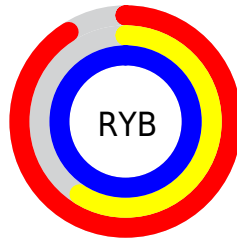
The Yxy color $46.3421, 0.2974, 0.2221$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $82.8605, 0.3207, 0.4501$, and the grayscale version is $49.3641, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $21.8113, 0.2917, 0.1987$ is the 20% darker color. If you saturate the color by 10%, you get $38.0387, 0.2921, 0.1966$, and if you desaturate by 10%, it is $56.4571, 0.3021, 0.2488$.

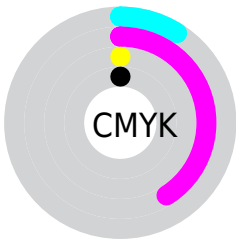
Distribution



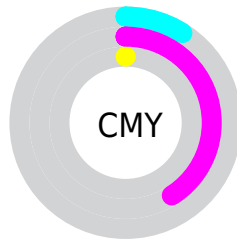
- Red (91%)
- Green (59%)
- Blue (100%)



- Red (91%)
- Yellow (59%)
- Blue (100%)



- Cyan (9%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3421, 0.2974, 0.2221 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 46.3421, 0.2974, 0.2221 by changing the saturation by 10% instead.


 46.3421, 0.2974,
0.2221


 46.3421, 0.2974,
0.2221


372.1823, 0.3065,
0.2704

 32.5159, 0.2948,
0.2115


 84.7307, 0.3009,
0.2386

 21.7558, 0.2915,
0.1986


 110.0620, 0.3022,
0.2450

 13.6776, 0.2868,
0.1828


139.9969, 0.3033,
0.2507

 7.8968, 0.2802,
0.1630

174.9201, 0.3041,
0.2556

 4.0290, 0.2702,
0.1377

215.2158, 0.3049,
0.2600

 1.6898, 0.2541,
0.1051

261.2685, 0.3055,

 0.4170, 0.2286,

0.2638

0.0545

313.4625, 0.3060,
0.2673

0.0000, 0.1646,
0.0000

0.0000, 0.0000,
0.0000

46.3421, 0.2974,
0.2221

46.3421, 0.2974,
0.2221

38.0387, 0.2921,
0.1966

56.4571, 0.3021,
0.2488

31.4252, 0.2862,
0.1734

68.4832, 0.3062,
0.2758

26.3741, 0.2801,
0.1537

82.5199, 0.3097,
0.3021

22.7368, 0.2737,
0.1384

98.6576, 0.3125,
0.3272

■ 20.3356, 0.2675,
0.1278

99.9982, 0.3127,
0.3290

■ 18.9568, 0.2619,
0.1216

Harmonies

Analogous

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



46.3421, 0.2251, 0.2026



46.3421, 0.2974, 0.2221



46.3421, 0.3858, 0.2626

Triad

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



46.3421, 0.2974, 0.2221



46.3421, 0.4535, 0.4385



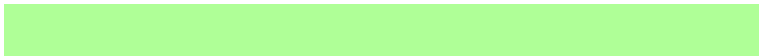
46.3421, 0.1844, 0.3155

Complementary

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



46.3421, 0.2974, 0.2221



82.8605, 0.3207, 0.4501

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.



46.3421, 0.2337, 0.4094



46.3421, 0.2974, 0.2221



46.3421, 0.3889, 0.4823

Square

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



46.3421, 0.2974, 0.2221



46.3421, 0.4822, 0.3782



46.3421, 0.3086, 0.4781



46.3421, 0.1677, 0.2443

Rectangle

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



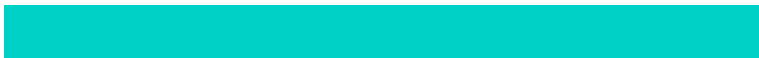
46.3421, 0.2974, 0.2221



46.3421, 0.4381, 0.2979



46.3421, 0.3086, 0.4781



46.3421, 0.1972, 0.3459

Sweetspot

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



46.3441, 0.2974, 0.2221



80.6893, 0.3093, 0.2989



44.5751, 0.2412, 0.2327



16.8604, 0.3089, 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.



46.3441, 0.2974, 0.2221



39.3852, 0.2930, 0.2009



48.9615, 0.3413, 0.2524



18.0762, 0.3101, 0.3053



9.9786, 0.2629, 0.1222



1.0206, 0.2698, 0.1260

Inverse Universe

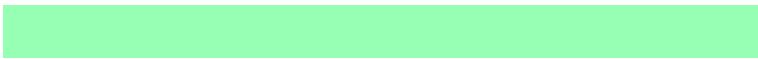
The Inverse Universe completely reimagines the original color for something new.



46.4992, 0.3926, 0.3040



39.7397, 0.4180, 0.2994



81.3307, 0.2931, 0.4210



18.0559, 0.3258, 0.3235



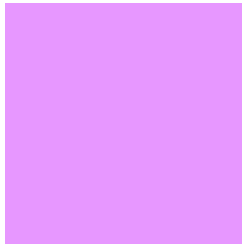
11.2923, 0.5993, 0.3075



1.1154, 0.5683, 0.2904

Previews

White Background



This preview shows how the Yxy color 46.3421, 0.2974, 0.2221 looks on a white background.

Color Contrast Check

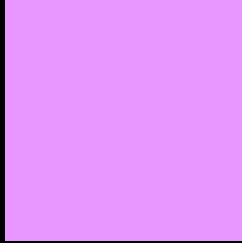
Large Text (above 18pt) WCAG AA × Fail

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 46.3421, 0.2974, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

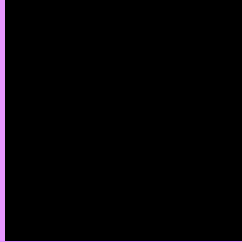
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3421, 0.2974, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 46.3421, 0.2974, 0.2221.



This preview shows how white text looks on a background with the Yxy color 46.3421, 0.2974, 0.2221.

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

46.3421, 0.2974, 0.2221

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.6159, 0.2501, 0.2435



Tritanopia

46.1484, 0.3506, 0.3137

Trichromacy



Original Color

46.3421, 0.2974, 0.2221



Protanomaly

45.7863, 0.2620, 0.2307



Deuteranomaly

45.8433, 0.2653, 0.2338

Tritanomaly

45.8420, 0.3306, 0.2769

Monochromacy



Original Color

46.3421, 0.2974, 0.2221



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.7221, 0.3072, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3421, 0.2974, 0.2221 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 151, 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, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3421, 0.2974, 0.2221 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, 151, 255) }
```

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

```
.border{ border-color:rgb(231, 151, 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, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3421, 0.2974, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 151, 255) }
```

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

```
.background{ background-color: rgb(231,  
151, 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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