

Converting Colors

$Y_{xy}(70.7003, 0.3011, 0.2983)$

Have a look what the booklet for
Yxy(70.7003, 0.3011, 0.2983)
contains.

| | |
|--|----|
| Yxy(70.5718, 0.3014, 0.2984) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(70.5718, 0.3014, 0.2984)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E1D6F3 |
| RGB | 225, 214, 243 |
| RGB Percent | 88%, 84%, 95% |
| CMY | 0.1175, 0.1608, 0.0471 |
| CMYK | 0.07, 0.12, 0.00, 0.05 |
| HSL | 263°, 55%, 90% |
| HSV | 263°, 12%, 95% |
| XYZ | 71.2813, 70.5718, 94.6476 |
| YIQ | 220.5950, -2.7530, 11.3510 |

Conversions

Conversions Part 2

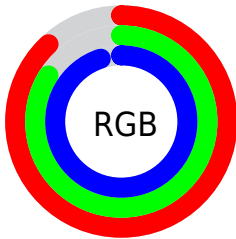
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 225, 214, 243 |
| Decimal | 14800627 |
| CIE Lab | 87.28, 9.11, -12.81 |
| CIE LCh | 87, 15.722, 305.430 |
| Yxy | 70.5718, 0.3014, 0.2984 |
| Android (android.graphics.Color) | 4292990707 (0xFFE1D6F3) |
| YUV | 220.5950, 11.0457, 3.8632 |
| Hunter-Lab | 84.0070, 4.4478, -7.9949 |

Details

The Yxy color **70.5718, 0.3014, 0.2984** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.0958, 0.3231, 0.3592**, and the grayscale version is **71.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9302, 0.2987, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **56.8661, 0.2902, 0.2701**, and if you desaturate by 10%, it is **86.3311, 0.3110, 0.3243**.

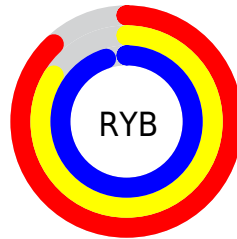
Distribution



Red (88%)

Green (84%)

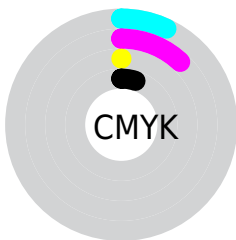
Blue (95%)



Red (88%)

Yellow (84%)

Blue (95%)

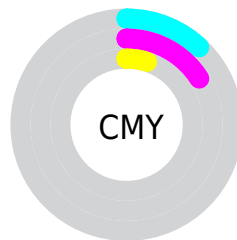


Cyan (7%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (12%)

Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5718, 0.3014, 0.2984 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 70.5718, 0.3014, 0.2984 by changing the saturation by 10% instead.

70.5718, 0.3014,
0.2984

70.5718, 0.3014,
0.2984

462.5552, 0.3068,
0.3124

51.9928, 0.3002,
0.2953

120.0238, 0.3033,
0.3032

36.9994, 0.2986,
0.2914

151.6657, 0.3040,
0.3051

25.2070, 0.2966,
0.2865

188.4306, 0.3046,
0.3067

16.2313, 0.2940,
0.2803

230.7030, 0.3052,
0.3081

9.6880, 0.2903,
0.2718

278.8672, 0.3056,
0.3094

5.1926, 0.2850,
0.2599

333.3077, 0.3061,

2.3607, 0.2764,

0.3105

0.2417

394.4089, 0.3064,
0.3115

■ 0.8056, 0.2608,
0.2108

■ 0.0000, 0.0000,
0.0000

■ 70.5718, 0.3014,
0.2984

■ 70.5718, 0.3014,
0.2984

■ 56.8661, 0.2902,
0.2701

■ 86.3311, 0.3110,
0.3243

■ 45.1188, 0.2775,
0.2399

■ 99.2503, 0.3197,
0.3405

■ 35.2399, 0.2634,
0.2085

■ 27.1293, 0.2481,
0.1771

■ 20.6767, 0.2322,
0.1474

■ 15.7593, 0.2165,
0.1209

■ 12.2363, 0.2017,
0.0996

■ 9.9391, 0.1887,
0.0845

■ 8.7720, 0.1798,
0.0764

Harmonies

Analogous

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



70.5718, 0.2856, 0.2974



70.5718, 0.3014, 0.2984



70.5718, 0.3207, 0.3069

Triad

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



70.5718, 0.3014, 0.2984



70.5718, 0.3496, 0.3521



70.5718, 0.2874, 0.3367

Complementary

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



70.5718, 0.3014, 0.2984



86.0958, 0.3231, 0.3592

Split Complementary

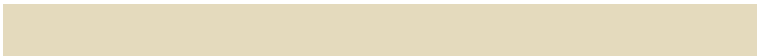
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5718, 0.3040, 0.3527



70.5718, 0.3014, 0.2984



70.5718, 0.3400, 0.3614

Square

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



70.5718, 0.3014, 0.2984



70.5718, 0.3490, 0.3373



70.5718, 0.3232, 0.3618



70.5718, 0.2777, 0.3189

Rectangle

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



70.5718, 0.3014, 0.2984



70.5718, 0.3330, 0.3158



70.5718, 0.3232, 0.3618



70.5718, 0.2924, 0.3425

Sweetspot

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



70.5748, 0.3014, 0.2984



92.4855, 0.3091, 0.3191



78.6806, 0.2942, 0.3177



19.5023, 0.3084, 0.3172



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.



70.5748, 0.3014, 0.2984



75.3451, 0.2992, 0.2926



72.9337, 0.3113, 0.2993



16.2341, 0.3039, 0.3050



4.8863, 0.1814, 0.0773



0.4865, 0.1952, 0.0849

Inverse Universe

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



72.9672, 0.3216, 0.3106



78.4550, 0.3234, 0.3072



83.8326, 0.3138, 0.3601



16.6551, 0.3196, 0.3144



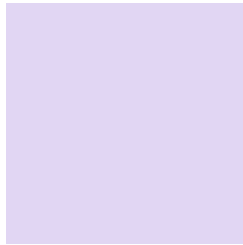
11.7021, 0.4463, 0.2232



1.0485, 0.4263, 0.2122

Previews

White Background



This preview shows how the Yxy color 70.5718, 0.3014, 0.2984 looks on a white background.

Color Contrast Check

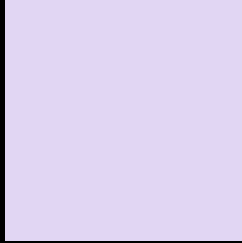
Large Text (above 18pt) WCAG AA × Fail

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 70.5718, 0.3014, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

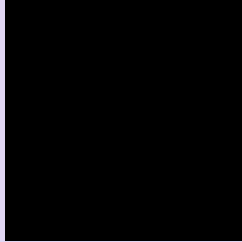
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5718, 0.3014, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 70.5718, 0.3014, 0.2984.

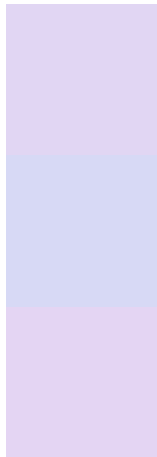


This preview shows how white text looks on a background with the Yxy color 70.5718, 0.3014, 0.2984.

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

70.5718, 0.3014, 0.2984

Protanopia

70.6654, 0.2933, 0.2990

Deuteranopia

70.5535, 0.3035, 0.2975



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.5718, 0.3014, 0.2984

Protanomaly

70.7035, 0.2966, 0.2992

Deuteranomaly

70.3905, 0.3028, 0.2975

Tritanomaly

70.5626, 0.3045, 0.3056

Monochromacy



Original Color

70.5718, 0.3014, 0.2984

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.3295, 0.3083, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5718, 0.3014, 0.2984 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(225, 214, 243)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 243)  
}
```

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(225, 214, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.5718, 0.3014, 0.2984 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(225, 214, 243) }
```

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

```
.border{ border-color:rgb(225, 214, 243) }
```

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

Here you see how a box with a 4 pixel rgb(225, 214, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 243);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5718, 0.3014, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 243) }
```

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

```
.background{ background-color: rgb(225,  
214, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor