

Converting Colors

$Y_{xy}(70.6573, 0.3048, 0.2986)$

Have a look what the booklet for
Yxy(70.6573, 0.3048, 0.2986)
contains.

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Color

Yxy(70.6573, 0.3048, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	E5D5F2
RGB	229, 213, 242
RGB Percent	90%, 84%, 95%
CMY	0.1021, 0.1646, 0.0509
CMYK	0.05, 0.12, 0.00, 0.05
HSL	273°, 53%, 89%
HSV	273°, 12%, 95%
XYZ	72.1244, 70.6573, 93.8469
YIQ	221.0900, 0.2270, 12.4110

Conversions

Conversions Part 2

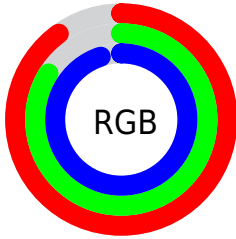
Format	Color
R _Y B	229, 213, 242
Decimal	15062514
CIE Lab	87.32, 10.72, -12.20
CIE LCh	87, 16.239, 311.303
Yxy	70.6573, 0.3048, 0.2986
Android (android.graphics.Color)	4293252594 (0xFFE5D5F2)
YUV	221.0900, 10.3086, 6.9371
Hunter-Lab	84.0579, 6.0575, -7.3541

Details

The Yxy color **70.6573, 0.3048, 0.2986** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4948, 0.3199, 0.3596**, and the grayscale version is **72.2975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8831, 0.3023, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **57.6431, 0.2969, 0.2712**, and if you desaturate by 10%, it is **85.6067, 0.3115, 0.3242**.

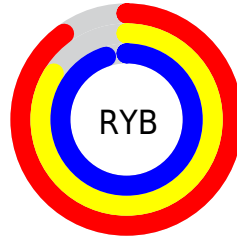
Distribution



Red (90%)

Green (84%)

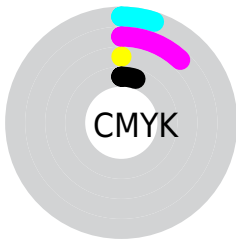
Blue (95%)



Red (90%)

Yellow (84%)

Blue (95%)

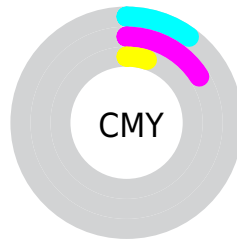


Cyan (5%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (10%)


Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6573, 0.3048, 0.2986 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 70.6573, 0.3048, 0.2986 by changing the saturation by 10% instead.


 70.6573, 0.3048,
0.2986

 70.6573, 0.3048,
0.2986

462.8545, 0.3086,
0.3125

 52.0626, 0.3039,
0.2955


120.1456, 0.3061,
0.3034

 37.0550, 0.3028,
0.2917


151.8080, 0.3067,
0.3052

 25.2500, 0.3014,
0.2869


188.5951, 0.3071,
0.3068

 16.2634, 0.2994,
0.2807

230.8913, 0.3075,
0.3083

 9.7108, 0.2968,
0.2723

279.0809, 0.3078,
0.3095

 5.2076, 0.2928,
0.2606

333.5484, 0.3081,

 2.3696, 0.2863,

0.3106

0.2427

394.6781, 0.3084,
0.3116

0.8102, 0.2743,
0.2124

0.0000, 0.0000,
0.0000

70.6573, 0.3048,
0.2986

70.6573, 0.3048,
0.2986

57.6431, 0.2969,
0.2712

85.6067, 0.3115,
0.3242

46.4728, 0.2879,
0.2424

98.3940, 0.3176,
0.3416

37.0611, 0.2776,
0.2130

99.1913, 0.3203,
0.3415

29.3124, 0.2664,
0.1842

■ 23.1214, 0.2545,
0.1572

■ 18.3708, 0.2423,
0.1336

■ 14.9253, 0.2303,
0.1146

■ 12.6229, 0.2191,
0.1010

■ 11.4015, 0.2108,
0.0935

Harmonies

Analogous

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



70.6573, 0.2874, 0.2960



70.6573, 0.3048, 0.2986



70.6573, 0.3249, 0.3087

Triad

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



70.6573, 0.3048, 0.2986



70.6573, 0.3497, 0.3553



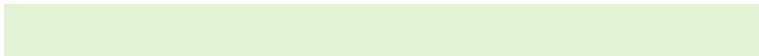
70.6573, 0.2840, 0.3333

Complementary

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



70.6573, 0.3048, 0.2986



84.4948, 0.3199, 0.3596

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.



70.6573, 0.3000, 0.3507



70.6573, 0.3048, 0.2986



70.6573, 0.3380, 0.3633

Square

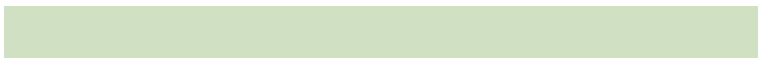
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6573, 0.3048, 0.2986



70.6573, 0.3512, 0.3408



70.6573, 0.3197, 0.3618



70.6573, 0.2757, 0.3153

Rectangle

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



70.6573, 0.3048, 0.2986



70.6573, 0.3370, 0.3184



70.6573, 0.3197, 0.3618



70.6573, 0.2886, 0.3395

Sweetspot

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



70.6603, 0.3048, 0.2986



92.8032, 0.3102, 0.3192



75.2513, 0.2940, 0.3124



19.5827, 0.3098, 0.3173



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.



70.6603, 0.3048, 0.2986



76.3776, 0.3033, 0.2931



72.8303, 0.3148, 0.3004



15.6570, 0.3066, 0.3052



6.2069, 0.2124, 0.0944



0.5753, 0.2259, 0.1018

Inverse Universe

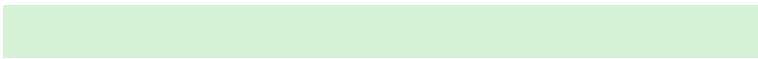
The Inverse Universe completely reimagines the original color for something new.



71.9719, 0.3251, 0.3155



78.0995, 0.3275, 0.3131



82.5127, 0.3107, 0.3593



15.8772, 0.3223, 0.3184



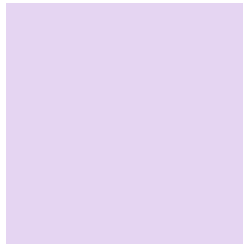
10.7604, 0.5169, 0.2621



0.9149, 0.4846, 0.2443

Previews

White Background



This preview shows how the Yxy color 70.6573, 0.3048, 0.2986 looks on a white background.

Color Contrast Check

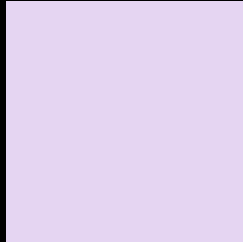
Large Text (above 18pt) WCAG AA × Fail

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 70.6573, 0.3048, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

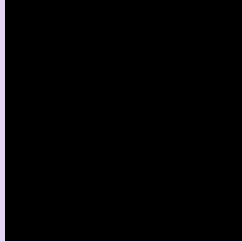
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

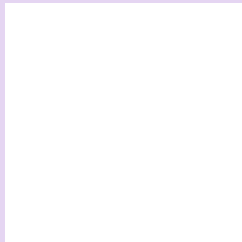
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6573, 0.3048, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 70.6573, 0.3048, 0.2986.

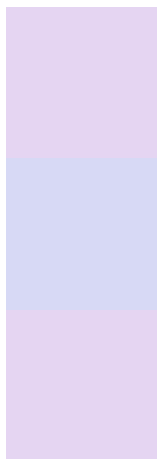


This preview shows how white text looks on a background with the Yxy color 70.6573, 0.3048, 0.2986.

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

70.6573, 0.3048, 0.2986

Protanopia

70.6654, 0.2933, 0.2990

Deuteranopia

70.6573, 0.3048, 0.2986



Tritanopia

70.7580, 0.3100, 0.3109

Trichromacy



Original Color

70.6573, 0.3048, 0.2986

Protanomaly

70.8590, 0.2973, 0.2992

Deuteranomaly

70.6573, 0.3048, 0.2986

Tritanomaly

70.6432, 0.3081, 0.3057

Monochromacy



Original Color

70.6573, 0.3048, 0.2986

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.6472, 0.3097, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6573, 0.3048, 0.2986 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(229, 213, 242)` looks like.

```
.text, #text, p{  
    color:rgb(229, 213, 242)  
}
```

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(229, 213, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 213, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.6573, 0.3048, 0.2986 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(229, 213, 242) }
```

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

```
.border{ border-color:rgb(229, 213, 242) }
```

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

Here you see how a box with a 4 pixel rgb(229, 213, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 213, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 213, 242);  
box-shadow:4px 4px 4px 4px rgb(229, 213,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6573, 0.3048, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 213, 242) }
```

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

```
.background{ background-color: rgb(229,  
213, 242) }
```

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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