

Converting Colors

$Yxy(70.4310, 0.3007, 0.2936)$

Have a look what the booklet for
Yxy(70.4310, 0.3007, 0.2936)
contains.

Yxy(70.5732, 0.3008, 0.2944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5732, 0.3008, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	E3D5F6
RGB	227, 213, 246
RGB Percent	89%, 84%, 96%
CMY	0.1099, 0.1647, 0.0352
CMYK	0.08, 0.13, 0.00, 0.04
HSL	265°, 65%, 90%
HSV	265°, 13%, 96%
XYZ	72.1074, 70.5732, 97.0382
YIQ	220.9480, -2.2490, 13.2310

Conversions

Conversions Part 2

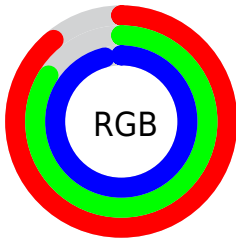
Format	Color
R _{YB}	227, 213, 246
Decimal	14931446
CIE _{Lab}	87.28, 10.86, -14.40
CIE _{LCh}	87, 18.038, 307.015
Yxy	70.5732, 0.3008, 0.2944
Android (android.graphics.Color)	4293121526 (0xFFE3D5F6)
YUV	220.9480, 12.3506, 5.3076
Hunter-Lab	84.0079, 6.2001, -9.6809

Details

The Yxy color $70.5732, 0.3008, 0.2944$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.9035, 0.3235, 0.3633$, and the grayscale version is $72.1823, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9421, 0.2980, 0.2857$ is the 20% darker color. If you saturate the color by 10%, you get $56.9100, 0.2902, 0.2660$, and if you desaturate by 10%, it is $86.3101, 0.3099, 0.3206$.

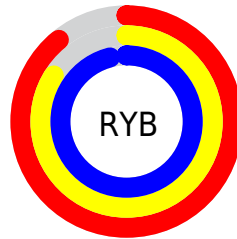
Distribution



Red (89%)

Green (84%)

Blue (96%)



Red (89%)

Yellow (84%)

Blue (96%)

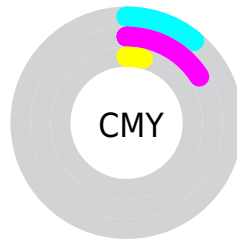


Cyan (8%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5732, 0.3008, 0.2944 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 70.5732, 0.3008, 0.2944 by changing the saturation by 10% instead.

70.5732, 0.3008,
0.2944

70.5732, 0.3008,
0.2944

462.5601, 0.3065,
0.3101

51.9940, 0.2995,
0.2909

120.0258, 0.3028,
0.2998

37.0003, 0.2978,
0.2865

151.6680, 0.3036,
0.3019

25.2077, 0.2957,
0.2811

188.4333, 0.3042,
0.3038

16.2319, 0.2929,
0.2741

230.7061, 0.3048,
0.3054

9.6884, 0.2890,
0.2647

278.8707, 0.3053,
0.3068

5.1928, 0.2833,
0.2516

333.3117, 0.3057,

2.3608, 0.2742,

0.3080

0.2317

394.4133, 0.3061,
0.3091

0.8056, 0.2576,
0.1985

0.0000, 0.0000,
0.0000

70.5732, 0.3008,
0.2944

70.5732, 0.3008,
0.2944

56.9100, 0.2902,
0.2660

86.3101, 0.3099,
0.3206

45.2228, 0.2782,
0.2359

99.4360, 0.3179,
0.3376

35.4189, 0.2648,
0.2049

27.3949, 0.2504,
0.1743

■ 21.0369, 0.2353,
0.1456

■ 16.2170, 0.2204,
0.1204

■ 12.7883, 0.2063,
0.1004

■ 10.5725, 0.1938,
0.0865

■ 9.6061, 0.1866,
0.0801

Harmonies

Analogous

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



70.5732, 0.2824, 0.2927



70.5732, 0.3008, 0.2944



70.5732, 0.3230, 0.3045

Triad

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



70.5732, 0.3008, 0.2944



70.5732, 0.3548, 0.3561



70.5732, 0.2829, 0.3367

Complementary

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



70.5732, 0.3008, 0.2944



87.9035, 0.3235, 0.3633

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.



70.5732, 0.3015, 0.3555



70.5732, 0.3008, 0.2944



70.5732, 0.3432, 0.3665

Square

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



70.5732, 0.3008, 0.2944



70.5732, 0.3548, 0.3393



70.5732, 0.3235, 0.3666



70.5732, 0.2724, 0.3163

Rectangle

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



70.5732, 0.3008, 0.2944



70.5732, 0.3370, 0.3148



70.5732, 0.3235, 0.3666



70.5732, 0.2884, 0.3435

Sweetspot

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



70.5762, 0.3008, 0.2944



92.5650, 0.3094, 0.3191



78.6706, 0.2918, 0.3144



19.5224, 0.3088, 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.



70.5762, 0.3008, 0.2944



72.4810, 0.2982, 0.2872



73.3531, 0.3123, 0.2956



16.2694, 0.3046, 0.3050



5.2042, 0.1883, 0.0811



0.5165, 0.2022, 0.0887

Inverse Universe

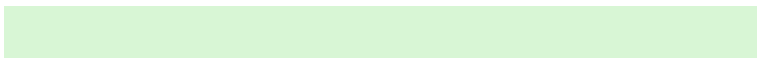
The Inverse Universe completely reimagines the original color for something new.



73.0207, 0.3239, 0.3096



75.6119, 0.3264, 0.3057



85.3001, 0.3128, 0.3644



16.6428, 0.3203, 0.3154



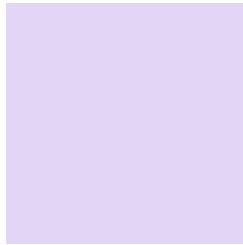
11.5273, 0.4637, 0.2328



1.0337, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 70.5732, 0.3008, 0.2944 looks on a white background.

Color Contrast Check

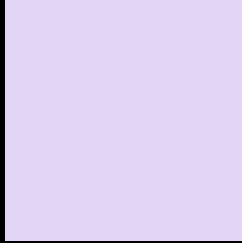
Large Text (above 18pt) WCAG AA × Fail

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 70.5732, 0.3008, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

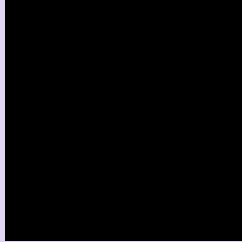
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

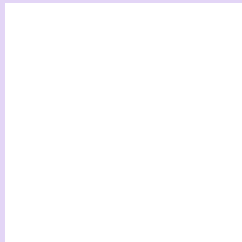
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5732, 0.3008, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 70.5732, 0.3008, 0.2944.

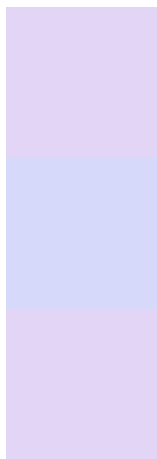


This preview shows how white text looks on a background with the Yxy color 70.5732, 0.3008, 0.2944.

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

70.5732, 0.3008, 0.2944

Protanopia

70.7614, 0.2902, 0.2948

Deuteranopia

70.5732, 0.3008, 0.2944



Tritanopia

70.4346, 0.3085, 0.3108

Trichromacy



Original Color

70.5732, 0.3008, 0.2944

Protanomaly

70.9491, 0.2941, 0.2951

Deuteranomaly

70.5732, 0.3008, 0.2944

Tritanomaly

70.3763, 0.3060, 0.3046

Monochromacy



Original Color

70.5732, 0.3008, 0.2944

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.5440, 0.3083, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5732, 0.3008, 0.2944 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(227, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(227, 213, 246)  
}
```

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(227, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 213, 246) }
```

Border

The CSS property to change the border of an element to Yxy 70.5732, 0.3008, 0.2944 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(227, 213, 246) }
```

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

```
.border{ border-color:rgb(227, 213, 246) }
```

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

Here you see how a box with a 4 pixel rgb(227, 213, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(227, 213,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5732, 0.3008, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 213, 246) }
```

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

```
.background{ background-color: rgb(227,  
213, 246) }
```

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