

# Converting Colors

Yxy(42.0324, 0.2930, 0.2140)

Have a look what the booklet for  
Yxy(42.0324, 0.2930, 0.2140)  
contains.

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**Color**

**Yxy(42.0623, 0.2929, 0.2136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF8EFC
RGB	223, 142, 252
RGB Percent	87%, 56%, 99%
CMY	0.1254, 0.4431, 0.0117
CMYK	0.12, 0.44, 0.00, 0.01
HSL	284°, 95%, 77%
HSV	284°, 44%, 99%
XYZ	57.6781, 42.0623, 97.1805
YIQ	178.7590, 12.9660, 51.3820

# Conversions

## Conversions Part 2

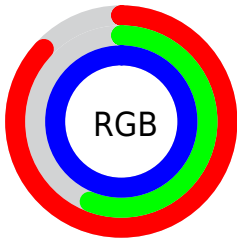
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">223, 142, 252</a>
Decimal	<a href="#">14651132</a>
CIELab	<a href="#">70.91, 48.68, -42.71</a>
CIElCh	<a href="#">71, 64.763, 318.740</a>
Yxy	<a href="#">42.0623, 0.2929, 0.2136</a>
Android (android.graphics.Color)	<a href="#">4292841212 (0xFFDF8EFC)</a>
YUV	<a href="#">178.7590, 36.1078, 38.7994</a>
Hunter-Lab	<a href="#">64.8555, 45.2490, -43.4423</a>

# Details

The Yxy color **42.0623, 0.2929, 0.2136** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **80.2363, 0.3231, 0.4590**, and the grayscale version is **44.7449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **19.1919, 0.2854, 0.1879** is the 20% darker color. If you saturate the color by 10%, you get **34.3594, 0.2865, 0.1881**, and if you desaturate by 10%, it is **51.5050, 0.2987, 0.2405**.

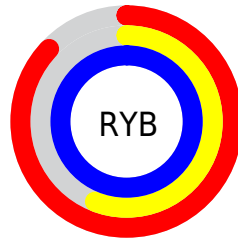
# Distribution



Red (87%)

Green (56%)

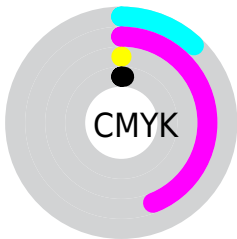
Blue (99%)



Red (87%)

Yellow (56%)

Blue (99%)

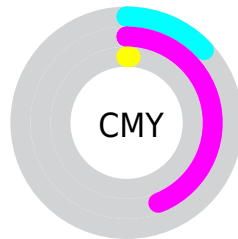


Cyan (12%)

Magenta (44%)

Yellow (0%)

Black (1%)



Cyan (13%)

Magenta (44%)


Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0623, 0.2929, 0.2136 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 42.0623, 0.2929, 0.2136 by changing the saturation by 10% instead.





 42.0623, 0.2929,  
0.2136

 42.0623, 0.2929,  
0.2136


354.7411, 0.3045,  
0.2661

 29.1501, 0.2896,  
0.2020


 78.2939, 0.2974,  
0.2315

 19.1944, 0.2853,  
0.1880


 102.3821, 0.2990,  
0.2386

 11.8108, 0.2794,  
0.1708


130.9644, 0.3004,  
0.2447

 6.6150, 0.2710,  
0.1493

164.4251, 0.3015,  
0.2501

 3.2225, 0.2582,  
0.1220

203.1488, 0.3024,  
0.2548

 1.2490, 0.2379,  
0.0875

247.5198, 0.3032,

 0.1012, 0.2096,

0.2590

297.9224, 0.3039,  
0.2628

0.0155

0.0000, 0.0948,  
0.0000

0.0000, 0.0000,  
0.0000

42.0623, 0.2929,  
0.2136

42.0623, 0.2929,  
0.2136

34.3594, 0.2865,  
0.1881

51.5050, 0.2987,  
0.2405

28.2749, 0.2796,  
0.1652

62.7876, 0.3037,  
0.2678

23.6799, 0.2724,  
0.1460

76.0086, 0.3080,  
0.2945

20.4232, 0.2652,  
0.1313

91.2581, 0.3116,  
0.3201

■ 18.3204, 0.2582,  
0.1214

99.8088, 0.3144,  
0.3319

■ 17.4157, 0.2538,  
0.1172

# Harmonies

## Analogous

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



42.0623, 0.2164, 0.1936



42.0623, 0.2929, 0.2136



42.0623, 0.3890, 0.2558

# Triad

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



42.0623, 0.2929, 0.2136



42.0623, 0.4650, 0.4428



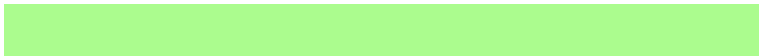
42.0623, 0.1757, 0.3160

# Complementary

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



42.0623, 0.2929, 0.2136



80.2363, 0.3231, 0.4590

# 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.



42.0623, 0.2287, 0.4201



42.0623, 0.2929, 0.2136



42.0623, 0.3954, 0.4938

# Square

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



42.0623, 0.2929, 0.2136



42.0623, 0.4960, 0.3775



42.0623, 0.3093, 0.4941



42.0623, 0.1576, 0.2385



# Rectangle

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



42.0623, 0.2929, 0.2136



42.0623, 0.4469, 0.2929



42.0623, 0.3093, 0.4941



42.0623, 0.1895, 0.3497

# Sweetspot

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



42.0641, 0.2929, 0.2136



79.0232, 0.3082, 0.2962



42.0317, 0.2365, 0.2293



16.2282, 0.3074, 0.2904



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.



42.0641, 0.2929, 0.2136



36.4607, 0.2876, 0.1921



45.5521, 0.3405, 0.2439



17.2809, 0.3096, 0.3053



9.1468, 0.2550, 0.1178



0.8985, 0.2631, 0.1223



# Inverse Universe

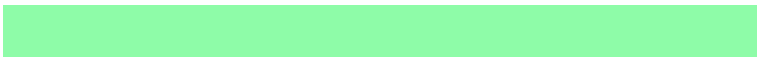
The Inverse Universe completely reimagines the original color for something new.



42.9826, 0.3971, 0.2986



37.7238, 0.4229, 0.2934



78.1913, 0.2939, 0.4335



17.3003, 0.3252, 0.3228



11.0085, 0.5890, 0.3018

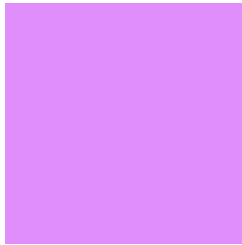


1.0363, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 42.0623, 0.2929, 0.2136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

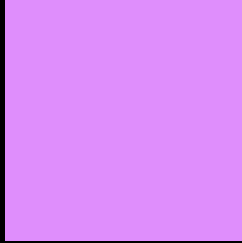
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.0623, 0.2929, 0.2136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

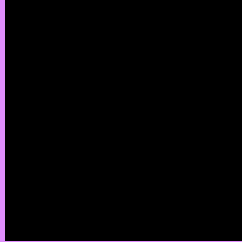
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.0623, 0.2929, 0.2136**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0623, 0.2929, 0.2136.



This preview shows how white text looks on a background with the Yxy color 42.0623, 0.2929, 0.2136.

# 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

42.0623, 0.2929, 0.2136

### Protanopia

42.3656, 0.2367, 0.2264

### Deuteranopia

42.3619, 0.2428, 0.2368



## Tritanopia

41.9691, 0.3511, 0.3144

# Trichromacy



## Original Color

42.0623, 0.2929, 0.2136



## Protanomaly

41.1816, 0.2536, 0.2190



## Deuteranomaly

41.3810, 0.2588, 0.2261



## Tritanomaly

41.4466, 0.3286, 0.2726

# Monochromacy



## Original Color

42.0623, 0.2929, 0.2136



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

43.3308, 0.3053, 0.2798

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0623, 0.2929, 0.2136 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(223, 142, 252)` looks like.

```
.text, #text, p{  
    color:rgb(223, 142, 252)  
}
```

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(223, 142, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 142, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0623, 0.2929, 0.2136 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(223, 142, 252) }
```

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

```
.border{ border-color:rgb(223, 142, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 142, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 142, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 142, 252);  
box-shadow:4px 4px 4px 4px rgb(223, 142,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0623, 0.2929, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 142, 252) }
```

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

```
.background{ background-color: rgb(223,  
142, 252) }
```

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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