

# Converting Colors

$Yxy(64.6792, 0.2940, 0.2717)$

Have a look what the booklet for  
Yxy(64.6792, 0.2940, 0.2717)  
contains.

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# Color

**Yxy(64.6973, 0.2942, 0.2716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2C8FF
RGB	226, 200, 255
RGB Percent	89%, 78%, 100%
CMY	0.1136, 0.2157, 0.0000
CMYK	0.11, 0.22, 0.00, 0.00
HSL	268°, 100%, 89%
HSV	268°, 22%, 100%
XYZ	70.0808, 64.6973, 103.4299
YIQ	214.0440, -2.1590, 22.6170

# Conversions

## Conversions Part 2

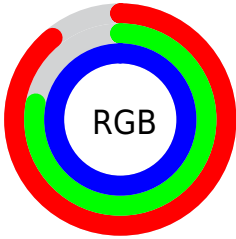
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 200, 255
Decimal	14862591
CIE <sub>Lab</sub>	84.33, 19.26, -23.63
CIE <sub>LCh</sub>	84, 30.482, 309.189
Y <sub>xy</sub>	64.6973, 0.2942, 0.2716
Android (android.graphics.Color)	4293052671 (0xFFE2C8FF)
YUV	214.0440, 20.1913, 10.4854
Hunter-Lab	80.4346, 14.7622, -19.9361

# Details

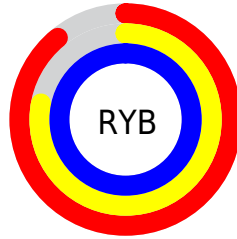
The Yxy color  $64.6973, 0.2942, 0.2716$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $92.3394, 0.3282, 0.3861$ , and the grayscale version is  $67.1411, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.1810, 0.2892, 0.2590$  is the 20% darker color. If you saturate the color by 10%, you get  $51.7692, 0.2835, 0.2422$ , and if you desaturate by 10%, it is  $79.7660, 0.3036, 0.2995$ .

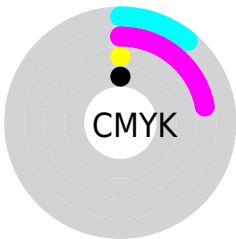
# Distribution



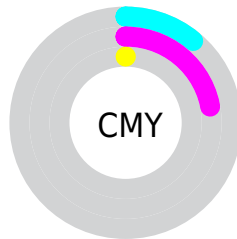
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6973, 0.2942, 0.2716 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 64.6973, 0.2942, 0.2716 by changing the saturation by 10% instead.



64.6973, 0.2942,  
0.2716

64.6973, 0.2942,  
0.2716

441.7034, 0.3032,  
0.2976

47.2157, 0.2920,  
0.2658

111.6146, 0.2974,  
0.2805

33.2062, 0.2893,  
0.2588

141.8190, 0.2986,  
0.2840

22.2844, 0.2858,  
0.2500

177.0331, 0.2997,  
0.2870

14.0661, 0.2811,  
0.2387

217.6414, 0.3006,  
0.2897

8.1666, 0.2745,  
0.2238

264.0281, 0.3014,  
0.2920

4.2018, 0.2647,  
0.2032

316.5778, 0.3021,

1.7870, 0.2489,

0.2941

0.1734

375.6747, 0.3027,  
0.2959

0.4791, 0.2234,  
0.1153

0.0000, 0.0000,  
0.0000

64.6973, 0.2942,  
0.2716

64.6973, 0.2942,  
0.2716

51.7692, 0.2835,  
0.2422

79.7660, 0.3036,  
0.2995

40.8788, 0.2715,  
0.2118

97.0684, 0.3116,  
0.3252

31.9166, 0.2583,  
0.1817

100.0000, 0.3127,  
0.3290

24.7620, 0.2445,  
0.1533

■ 19.2800, 0.2305,  
0.1281

■ 15.3161, 0.2170,  
0.1078

■ 12.6850, 0.2046,  
0.0932

■ 11.2668, 0.1953,  
0.0850

# Harmonies

## Analogous

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



64.6973, 0.2625, 0.2671



64.6973, 0.2942, 0.2716



64.6973, 0.3329, 0.2892

# Triad

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



64.6973, 0.2942, 0.2716



64.6973, 0.3851, 0.3762



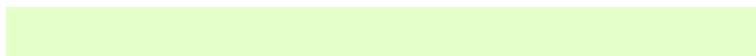
64.6973, 0.2596, 0.3391

# Complementary

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



64.6973, 0.2942, 0.2716



92.3394, 0.3282, 0.3861

# 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.



64.6973, 0.2900, 0.3743



64.6973, 0.2942, 0.2716



64.6973, 0.3628, 0.3949

# Square

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



64.6973, 0.2942, 0.2716



64.6973, 0.3873, 0.3473



64.6973, 0.3277, 0.3953



64.6973, 0.2435, 0.3033



# Rectangle

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



64.6973, 0.2942, 0.2716



64.6973, 0.3573, 0.3065



64.6973, 0.3277, 0.3953



64.6973, 0.2684, 0.3516

# Sweetspot

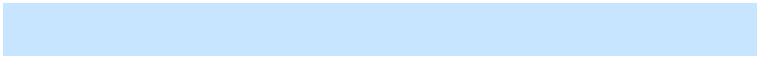
The Sweet Spot groups the original color and five complimentary colors.



64.6978, 0.2942, 0.2716



89.1278, 0.3082, 0.3141



75.7179, 0.2785, 0.3014



18.8344, 0.3077, 0.3124



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.



64.6978, 0.2942, 0.2716



58.7167, 0.2896, 0.2588



69.4368, 0.3139, 0.2750



17.7995, 0.3053, 0.3050



5.9745, 0.1970, 0.0859



0.6462, 0.2095, 0.0928



# Inverse Universe

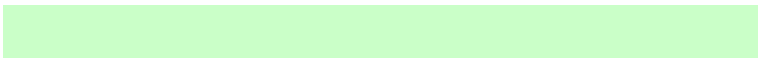
The Inverse Universe completely reimagines the original color for something new.



68.2174, 0.3342, 0.2999



62.8867, 0.3397, 0.2936



88.2213, 0.3110, 0.3892



18.1469, 0.3211, 0.3166



12.0423, 0.4852, 0.2447



1.1946, 0.4613, 0.2315



# Previews

## White Background



This preview shows how the Yxy color 64.6973, 0.2942, 0.2716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

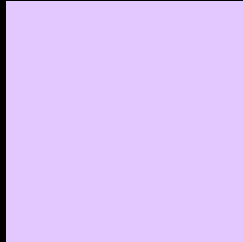
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6973, 0.2942, 0.2716 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 64.6973, 0.2942, 0.2716**

## Background



This preview shows how black text looks on a background with the Yxy color 64.6973, 0.2942, 0.2716.

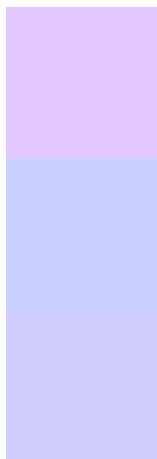


This preview shows how white text looks on a background with the Yxy color 64.6973, 0.2942, 0.2716.

# 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

64.6973, 0.2942, 0.2716

### Protanopia

65.1003, 0.2769, 0.2788

### Deuteranopia

64.8537, 0.2833, 0.2773



## Tritanopia

64.7887, 0.3128, 0.3114

# Trichromacy



## Original Color

64.6973, 0.2942, 0.2716

## Protanomaly

64.9179, 0.2827, 0.2763

## Deuteranomaly

64.7886, 0.2873, 0.2757

## Tritanomaly

64.8142, 0.3060, 0.2966

# Monochromacy



## Original Color

64.6973, 0.2942, 0.2716

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.1635, 0.3057, 0.3071

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6973, 0.2942, 0.2716 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(226, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 200, 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(226, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 200, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6973, 0.2942, 0.2716 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(226, 200, 255) }
```

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

```
.border{ border-color:rgb(226, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 200,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6973, 0.2942, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 200, 255) }
```

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

```
.background{ background-color: rgb(226,  
200, 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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