

# Converting Colors

$Yxy(66.5566, 0.2942, 0.2759)$

Have a look what the booklet for  
Yxy(66.5566, 0.2942, 0.2759)  
contains.

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# Color

**Yxy(66.5745, 0.2943, 0.2759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CCFF
RGB	226, 204, 255
RGB Percent	89%, 80%, 100%
CMY	0.1136, 0.2000, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	266°, 100%, 90%
HSV	266°, 20%, 100%
XYZ	71.0144, 66.5745, 103.7105
YIQ	216.3920, -3.2590, 20.5250

# Conversions

## Conversions Part 2

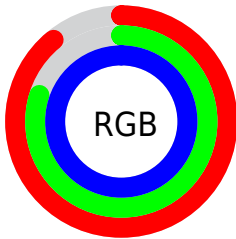
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 204, 255
Decimal	14863615
CIE Lab	85.29, 17.12, -22.15
CIE LCh	85, 27.989, 307.698
Yxy	66.5745, 0.2943, 0.2759
Android (android.graphics.Color)	4293053695 (0xFFE2CCFF)
YUV	216.3920, 19.0337, 8.4262
Hunter-Lab	81.5932, 12.5689, -18.2464

# Details

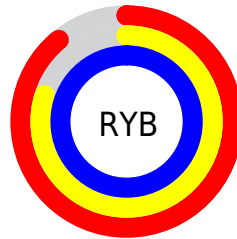
The Yxy color  $66.5745, 0.2943, 0.2759$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $93.1923, 0.3284, 0.3814$ , and the grayscale version is  $68.8242, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.4360, 0.2894, 0.2645$  is the 20% darker color. If you saturate the color by 10%, you get  $53.1891, 0.2829, 0.2463$ , and if you desaturate by 10%, it is  $82.1474, 0.3042, 0.3036$ .

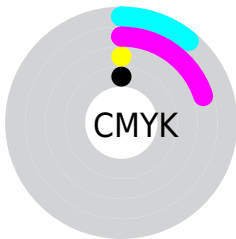
# Distribution



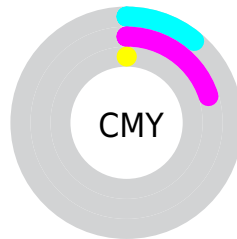
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (20%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5745, 0.2943, 0.2759 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 66.5745, 0.2943, 0.2759 by changing the saturation by 10% instead.




 66.5745, 0.2943,  
0.2759

 66.5745, 0.2943,  
0.2759


448.4287, 0.3032,  
0.2999

 48.7389, 0.2922,  
0.2706

114.3105, 0.2975,  
0.2841

 34.4124, 0.2895,  
0.2640


144.9797, 0.2987,  
0.2874

 23.2106, 0.2862,  
0.2559


180.6956, 0.2997,  
0.2902

 14.7491, 0.2816,  
0.2454

221.8425, 0.3006,  
0.2926

 8.6435, 0.2753,  
0.2316

268.8049, 0.3014,  
0.2948

 4.5094, 0.2660,  
0.2125

321.9671, 0.3020,

 1.9624, 0.2512,

0.2967

0.1846

381.7136, 0.3027,  
0.2984

■ 0.5855, 0.2261,  
0.1349

■ 0.0000, 0.0000,  
0.0000

■ 66.5745, 0.2943,  
0.2759

■ 66.5745, 0.2943,  
0.2759

■ 53.1891, 0.2829,  
0.2463

■ 82.1474, 0.3042,  
0.3036

■ 41.8816, 0.2701,  
0.2156

99.9941, 0.3127,  
0.3290

■ 32.5452, 0.2562,  
0.1847

99.9997, 0.3127,  
0.3290

■ 25.0600, 0.2414,  
0.1552

■ 19.2925, 0.2265,  
0.1288

■ 15.0904, 0.2122,  
0.1071

■ 12.2730, 0.1992,  
0.0911

■ 10.5484, 0.1879,  
0.0809

# Harmonies

## Analogous

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



66.5745, 0.2657, 0.2725



66.5745, 0.2943, 0.2759



66.5745, 0.3294, 0.2916

# Triad

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



66.5745, 0.2943, 0.2759



66.5745, 0.3792, 0.3712



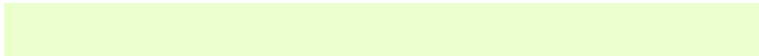
66.5745, 0.2654, 0.3400

# Complementary

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



66.5745, 0.2943, 0.2759



93.1923, 0.3284, 0.3814

# 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.



66.5745, 0.2938, 0.3713



66.5745, 0.2943, 0.2759



66.5745, 0.3598, 0.3885

# Square

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



66.5745, 0.2943, 0.2759



66.5745, 0.3800, 0.3446



66.5745, 0.3283, 0.3894



66.5745, 0.2498, 0.3073



# Rectangle

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



66.5745, 0.2943, 0.2759



66.5745, 0.3518, 0.3072



66.5745, 0.3283, 0.3894



66.5745, 0.2737, 0.3512

# Sweetspot

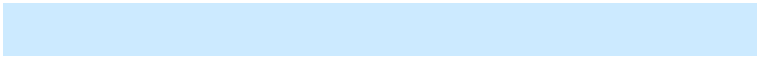
The Sweet Spot groups the original color and five complimentary colors.



66.5773, 0.2943, 0.2759



89.0131, 0.3078, 0.3140



78.7567, 0.2813, 0.3064



18.8073, 0.3072, 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.



66.5773, 0.2943, 0.2759



60.9695, 0.2899, 0.2643



70.8645, 0.3120, 0.2787



17.7616, 0.3047, 0.3049



5.5962, 0.1896, 0.0818



0.6080, 0.2022, 0.0887



# Inverse Universe

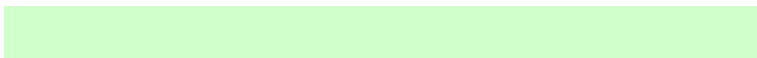
The Inverse Universe completely reimagines the original color for something new.



70.3224, 0.3308, 0.3000



65.3866, 0.3352, 0.2939



89.3220, 0.3127, 0.3840



18.1599, 0.3205, 0.3156



12.2041, 0.4678, 0.2351



1.2102, 0.4464, 0.2233



# Previews

## White Background



This preview shows how the Yxy color 66.5745, 0.2943, 0.2759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

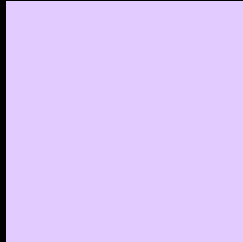
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5745, 0.2943, 0.2759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

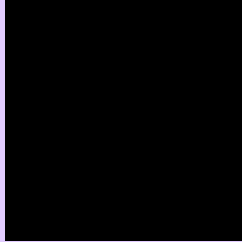
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.5745, 0.2943, 0.2759**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5745, 0.2943, 0.2759.



This preview shows how white text looks on a background with the Yxy color 66.5745, 0.2943, 0.2759.

# 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

66.5745, 0.2943, 0.2759

### Protanopia

66.5050, 0.2790, 0.2813

### Deuteranopia

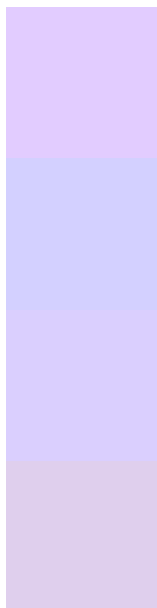
66.5636, 0.2867, 0.2800



## Tritanopia

66.4641, 0.3099, 0.3104

# Trichromacy



## Original Color

66.5745, 0.2943, 0.2759

## Protanomaly

66.1806, 0.2841, 0.2787

## Deuteranomaly

66.6868, 0.2894, 0.2793

## Tritanomaly

66.4280, 0.3040, 0.2968

# Monochromacy



## Original Color

66.5745, 0.2943, 0.2759

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.0158, 0.3064, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.5745, 0.2943, 0.2759 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 204, 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, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5745, 0.2943, 0.2759 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, 204, 255) }
```

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

```
.border{ border-color:rgb(226, 204, 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, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5745, 0.2943, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 204, 255) }
```

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

```
.background{ background-color: rgb(226,  
204, 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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