

Converting Colors

$Y_{xy}(63.8878, 0.2957, 0.2732)$

Have a look what the booklet for
Yxy(63.8878, 0.2957, 0.2732)
contains.

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Color

Yxy(63.8827, 0.2954, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	E1C7FC
RGB	225, 199, 252
RGB Percent	88%, 78%, 99%
CMY	0.1177, 0.2196, 0.0116
CMYK	0.11, 0.21, 0.00, 0.01
HSL	269°, 90%, 88%
HSV	269°, 21%, 99%
XYZ	69.0485, 63.8827, 100.8145
YIQ	212.8160, -1.5170, 21.9950

Conversions

Conversions Part 2

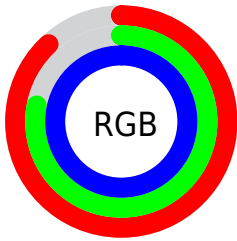
Format	Color
R _Y B	225, 199, 252
Decimal	14796796
CIE _{Lab}	83.90, 18.85, -22.68
CIE _{LCh}	84, 29.496, 309.734
Y _{xy}	63.8827, 0.2954, 0.2733
Android (android.graphics.Color)	4292986876 (0xFFE1C7FC)
Y _{UV}	212.8160, 19.3177, 10.6854
Hunter-Lab	79.9267, 14.3342, -18.8361

Details

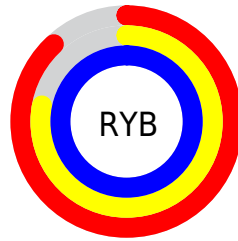
The Yxy color **63.8827, 0.2954, 0.2733** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.9413, 0.3272, 0.3847**, and the grayscale version is **66.2817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6259, 0.2908, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **51.2438, 0.2851, 0.2441**, and if you desaturate by 10%, it is **78.6030, 0.3043, 0.3009**.

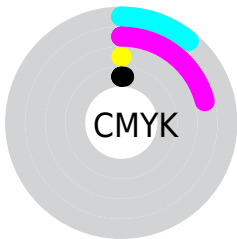
Distribution



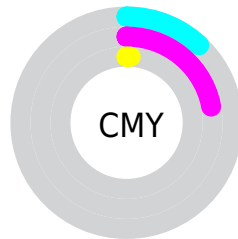
- Red (88%)
- Green (78%)
- Blue (99%)



- Red (88%)
- Yellow (78%)
- Blue (99%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)




- Cyan (12%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8827, 0.2954, 0.2733 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 63.8827, 0.2954, 0.2733 by changing the saturation by 10% instead.

 63.8827, 0.2954,
0.2733

 63.8827, 0.2954,
0.2733


438.7659, 0.3039,
0.2986

 46.5557, 0.2934,
0.2676

110.4420, 0.2984,
0.2820

 32.6845, 0.2908,
0.2607

140.4430, 0.2996,
0.2854

 21.8849, 0.2875,
0.2521


175.4376, 0.3006,
0.2883

 13.7723, 0.2830,
0.2410

215.8099, 0.3014,
0.2909

 7.9625, 0.2767,
0.2263

261.9446, 0.3022,
0.2932

 4.0710, 0.2673,
0.2058

314.2258, 0.3028,

 1.7133, 0.2519,

0.2952

0.1760

373.0382, 0.3034,
0.2970

0.4323, 0.2279,
0.1130

0.0000, 0.0000,
0.0000

63.8827, 0.2954,
0.2733

63.8827, 0.2954,
0.2733

51.2438, 0.2851,
0.2441

78.6030, 0.3043,
0.3009

40.5804, 0.2736,
0.2139

95.4878, 0.3120,
0.3265

31.7891, 0.2609,
0.1840

99.8105, 0.3144,
0.3318

24.7538, 0.2475,
0.1558

■ 19.3446, 0.2338,
0.1307

■ 15.4131, 0.2206,
0.1103

■ 12.7817, 0.2084,
0.0955

■ 11.2813, 0.1986,
0.0867

Harmonies

Analogous

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



63.8827, 0.2643, 0.2687



63.8827, 0.2954, 0.2733



63.8827, 0.3331, 0.2907

Triad

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



63.8827, 0.2954, 0.2733



63.8827, 0.3828, 0.3754



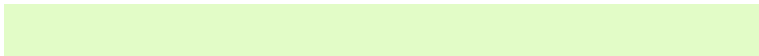
63.8827, 0.2606, 0.3382

Complementary

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



63.8827, 0.2954, 0.2733



89.9413, 0.3272, 0.3847

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.



63.8827, 0.2900, 0.3724



63.8827, 0.2954, 0.2733



63.8827, 0.3609, 0.3932

Square

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



63.8827, 0.2954, 0.2733



63.8827, 0.3853, 0.3475



63.8827, 0.3267, 0.3931



63.8827, 0.2452, 0.3035

Rectangle

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



63.8827, 0.2954, 0.2733



63.8827, 0.3567, 0.3076



63.8827, 0.3267, 0.3931



63.8827, 0.2691, 0.3503

Sweetspot

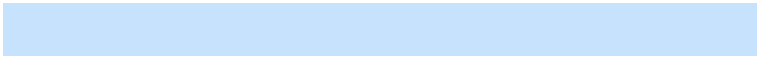
The Sweet Spot groups the original color and five complimentary colors.



63.8854, 0.2954, 0.2733



89.1741, 0.3084, 0.3141



73.7846, 0.2794, 0.3012



18.8453, 0.3078, 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.



63.8854, 0.2954, 0.2733



60.1991, 0.2915, 0.2618



68.4156, 0.3145, 0.2764



17.0607, 0.3056, 0.3050



5.9620, 0.2003, 0.0877



0.6151, 0.2132, 0.0948

Inverse Universe

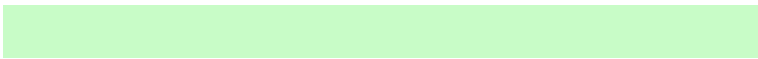
The Inverse Universe completely reimagines the original color for something new.



67.0429, 0.3342, 0.3015



63.9991, 0.3393, 0.2960



86.0298, 0.3105, 0.3876



17.3729, 0.3214, 0.3170



11.6288, 0.4921, 0.2484



1.0985, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 63.8827, 0.2954, 0.2733 looks on a white background.

Color Contrast Check

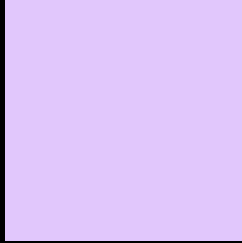
Large Text (above 18pt) WCAG AA × Fail

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 63.8827, 0.2954, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

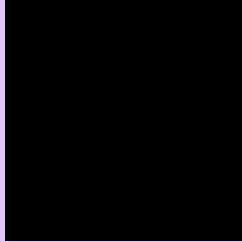
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8827, 0.2954, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 63.8827, 0.2954, 0.2733.

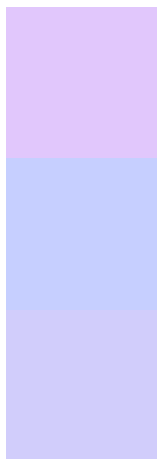


This preview shows how white text looks on a background with the Yxy color 63.8827, 0.2954, 0.2733.

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

63.8827, 0.2954, 0.2733

Protanopia

63.8514, 0.2755, 0.2763

Deuteranopia

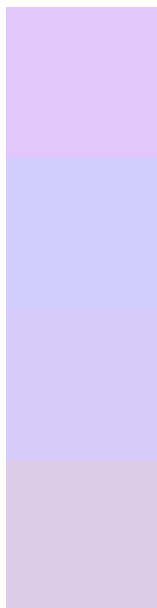
64.1830, 0.2850, 0.2792



Tritanopia

64.0987, 0.3128, 0.3113

Trichromacy



Original Color

63.8827, 0.2954, 0.2733

Protanomaly

63.7514, 0.2825, 0.2750

Deuteranomaly

64.1240, 0.2891, 0.2775

Tritanomaly

64.0677, 0.3067, 0.2975

Monochromacy



Original Color

63.8827, 0.2954, 0.2733

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4095, 0.3063, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8827, 0.2954, 0.2733 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(225, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(225, 199, 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(225, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 199, 252) }
```

Border

The CSS property to change the border of an element to Yxy 63.8827, 0.2954, 0.2733 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(225, 199, 252) }
```

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

```
.border{ border-color:rgb(225, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(225, 199,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8827, 0.2954, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 199, 252) }
```

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

```
.background{ background-color: rgb(225,  
199, 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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