

Converting Colors

$Y_{xy}(65.3133, 0.2957, 0.2767)$

Have a look what the booklet for
Yxy(65.3133, 0.2957, 0.2767)
contains.

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Color

Yxy(65.2769, 0.2955, 0.2766)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E1CAFC |
| RGB | 225, 202, 252 |
| RGB Percent | 88%, 79%, 99% |
| CMY | 0.1176, 0.2078, 0.0119 |
| CMYK | 0.11, 0.20, 0.00, 0.01 |
| HSL | 268°, 89%, 89% |
| HSV | 268°, 20%, 99% |
| XYZ | 69.7373, 65.2769, 100.9833 |
| YIQ | 214.5770, -2.3420, 20.4260 |

Conversions

Conversions Part 2

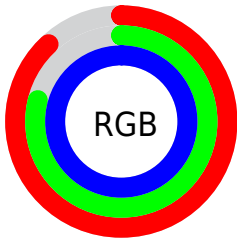
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 225, 202, 252 |
| Decimal | 14797564 |
| CIELab | 84.63, 17.23, -21.55 |
| CIELCh | 85, 27.592, 308.653 |
| Yxy | 65.2769, 0.2955, 0.2766 |
| Android (android.graphics.Color) | 4292987644 (0xFFE1CAFC) |
| YUV | 214.5770, 18.4495, 9.1410 |
| Hunter-Lab | 80.7941, 12.6821, -17.5498 |

Details

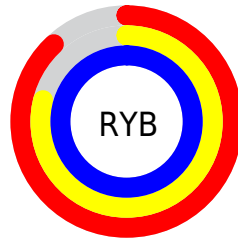
The Yxy color $65.2769, 0.2955, 0.2766$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $90.5111, 0.3274, 0.3811$, and the grayscale version is $67.5295, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.5550, 0.2909, 0.2652$ is the 20% darker color. If you saturate the color by 10%, you get $52.3057, 0.2848, 0.2473$, and if you desaturate by 10%, it is $80.3579, 0.3048, 0.3041$.

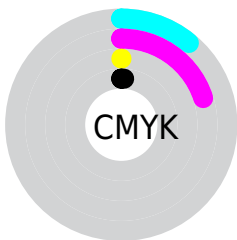
Distribution



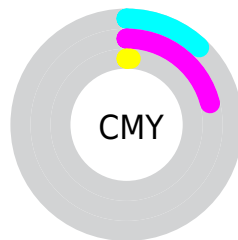
- Red (88%)
- Green (79%)
- Blue (99%)



- Red (88%)
- Yellow (79%)
- Blue (99%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2769, 0.2955, 0.2766 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 65.2769, 0.2955, 0.2766 by changing the saturation by 10% instead.

65.2769, 0.2955,
0.2766

65.2769, 0.2955,
0.2766

443.7864, 0.3039,
0.3004

47.6856, 0.2935,
0.2713

112.4479, 0.2985,
0.2848

33.5780, 0.2910,
0.2648

142.7964, 0.2996,
0.2880

22.5696, 0.2878,
0.2566

178.1660, 0.3006,
0.2907

14.2760, 0.2834,
0.2462

218.9413, 0.3014,
0.2932

8.3129, 0.2774,
0.2323

265.5066, 0.3021,
0.2953

4.2958, 0.2683,
0.2130

318.2463, 0.3028,

1.8404, 0.2537,

0.2972

0.1847

377.5447, 0.3034,
0.2989

0.5122, 0.2298,
0.1294

0.0000, 0.0000,
0.0000

65.2769, 0.2955,
0.2766

65.2769, 0.2955,
0.2766

52.3057, 0.2848,
0.2473

80.3579, 0.3048,
0.3041

41.3384, 0.2726,
0.2169

97.6315, 0.3128,
0.3294

32.2723, 0.2594,
0.1864

99.8056, 0.3145,
0.3319

24.9919, 0.2453,
0.1574

■ 19.3687, 0.2310,
0.1314

■ 15.2562, 0.2171,
0.1099

■ 12.4804, 0.2044,
0.0941

■ 10.7638, 0.1932,
0.0838

■ 10.7376, 0.1930,
0.0837

Harmonies

Analogous

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



65.2769, 0.2668, 0.2728



65.2769, 0.2955, 0.2766



65.2769, 0.3304, 0.2925

Triad

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



65.2769, 0.2955, 0.2766



65.2769, 0.3783, 0.3716



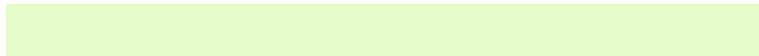
65.2769, 0.2651, 0.3389

Complementary

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



65.2769, 0.2955, 0.2766



90.5111, 0.3274, 0.3811

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.



65.2769, 0.2929, 0.3701



65.2769, 0.2955, 0.2766



65.2769, 0.3586, 0.3883

Square

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



65.2769, 0.2955, 0.2766



65.2769, 0.3797, 0.3454



65.2769, 0.3271, 0.3886



65.2769, 0.2500, 0.3065

Rectangle

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



65.2769, 0.2955, 0.2766



65.2769, 0.3525, 0.3082



65.2769, 0.3271, 0.3886



65.2769, 0.2732, 0.3500

Sweetspot

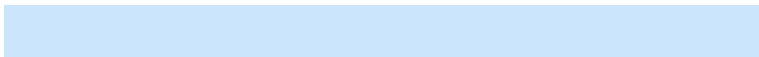
The Sweet Spot groups the original color and five complimentary colors.



65.2796, 0.2955, 0.2766



89.0912, 0.3081, 0.3141



75.8890, 0.2815, 0.3048



18.8257, 0.3075, 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.



65.2796, 0.2955, 0.2766



61.2399, 0.2912, 0.2645



69.4960, 0.3132, 0.2793



17.0345, 0.3051, 0.3050



5.6809, 0.1947, 0.0846



0.5884, 0.2078, 0.0918

Inverse Universe

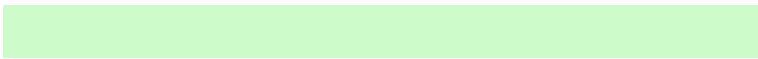
The Inverse Universe completely reimagines the original color for something new.



68.5887, 0.3316, 0.3017



65.2911, 0.3366, 0.2956



86.7682, 0.3117, 0.3836



17.3819, 0.3209, 0.3163



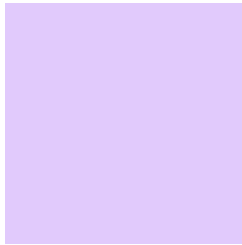
11.7365, 0.4794, 0.2415



1.1084, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 65.2769, 0.2955, 0.2766 looks on a white background.

Color Contrast Check

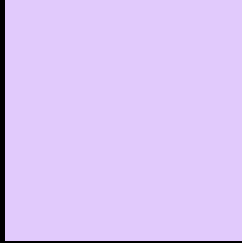
Large Text (above 18pt) WCAG AA × Fail

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 65.2769, 0.2955, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

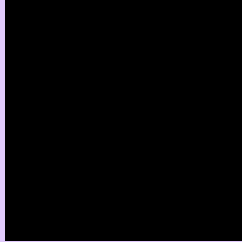
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2769, 0.2955, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 65.2769, 0.2955, 0.2766.

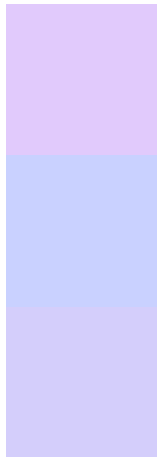


This preview shows how white text looks on a background with the Yxy color 65.2769, 0.2955, 0.2766.

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

65.2769, 0.2955, 0.2766

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

65.1047, 0.2871, 0.2805



Tritanopia

65.1690, 0.3113, 0.3114

Trichromacy



Original Color

65.2769, 0.2955, 0.2766

Protanomaly

65.0000, 0.2839, 0.2774

Deuteranomaly

65.3794, 0.2906, 0.2799

Tritanomaly

65.1328, 0.3053, 0.2976

Monochromacy



Original Color

65.2769, 0.2955, 0.2766

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.7547, 0.3070, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2769, 0.2955, 0.2766 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, 202, 252)` looks like.

```
.text, #text, p{  
    color:rgb(225, 202, 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, 202, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 202, 252) }
```

Border

The CSS property to change the border of an element to Yxy 65.2769, 0.2955, 0.2766 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, 202, 252) }
```

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

```
.border{ border-color:rgb(225, 202, 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, 202, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 202, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 202, 252); box-shadow:4px 4px 4px 4px rgb(225, 202, 252) }
```


Background

The CSS property to change the background color of an element to `rgb(225, 202, 252)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 202, 252) }
```

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

```
.background{ background-color: rgb(225,  
202, 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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