

Converting Colors

$Y_{xy}(66.0070, 0.2958, 0.2769)$

Have a look what the booklet for
Yxy(66.0070, 0.2958, 0.2769)
contains.

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Color

Yxy(65.9725, 0.2955, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	E2CBFD
RGB	226, 203, 253
RGB Percent	89%, 80%, 99%
CMY	0.1140, 0.2038, 0.0079
CMYK	0.11, 0.20, 0.00, 0.01
HSL	267°, 93%, 89%
HSV	267°, 20%, 99%
XYZ	70.4295, 65.9725, 101.9380
YIQ	215.5770, -2.3420, 20.4260

Conversions

Conversions Part 2

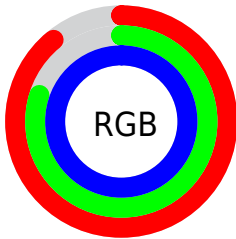
Format	Color
R _Y B	226, 203, 253
Decimal	14863357
CIE Lab	84.98, 17.19, -21.55
CIE LCh	85, 27.561, 308.577
Yxy	65.9725, 0.2955, 0.2768
Android (android.graphics.Color)	4293053437 (0xFFE2CBFD)
YUV	215.5770, 18.4495, 9.1410
Hunter-Lab	81.2235, 12.6376, -17.5544

Details

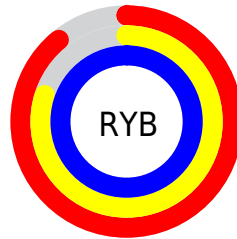
The Yxy color $65.9725, 0.2955, 0.2768$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.3943, 0.3274, 0.3808$, and the grayscale version is $68.2363, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.0265, 0.2910, 0.2655$ is the 20% darker color. If you saturate the color by 10%, you get $52.8559, 0.2847, 0.2475$, and if you desaturate by 10%, it is $81.2214, 0.3049, 0.3043$.

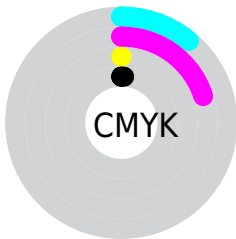
Distribution



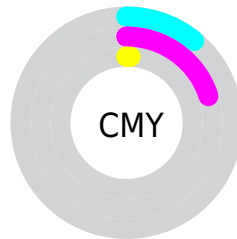
- Red (89%)
- Green (80%)
- Blue (99%)



- Red (89%)
- Yellow (80%)
- Blue (99%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9725, 0.2955, 0.2768 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 65.9725, 0.2955, 0.2768 by changing the saturation by 10% instead.


 65.9725, 0.2955,
0.2768

 65.9725, 0.2955,
0.2768


446.2785, 0.3039,
0.3005

 48.2501, 0.2935,
0.2715


113.4469, 0.2985,
0.2849

 34.0250, 0.2910,
0.2651


143.9676, 0.2996,
0.2881

 22.9128, 0.2878,
0.2570


179.5232, 0.3006,
0.2908

 14.5291, 0.2835,
0.2467

220.4981, 0.3014,
0.2933

 8.4896, 0.2775,
0.2329

267.2767, 0.3021,
0.2954

 4.4098, 0.2686,
0.2139

320.2434, 0.3028,

 1.9053, 0.2542,

0.2973

0.1860

379.7825, 0.3033,
0.2990

0.5516, 0.2302,
0.1340

0.0000, 0.0000,
0.0000

65.9725, 0.2955,
0.2768

65.9725, 0.2955,
0.2768

52.8559, 0.2847,
0.2475

81.2214, 0.3049,
0.3043

41.7649, 0.2726,
0.2170

98.6864, 0.3129,
0.3296

32.5955, 0.2593,
0.1866

99.8710, 0.3139,
0.3309

25.2313, 0.2451,
0.1575

■ 19.5425, 0.2308,
0.1314

■ 15.3811, 0.2169,
0.1098

■ 12.5717, 0.2041,
0.0940

■ 10.8369, 0.1928,
0.0837

■ 10.7990, 0.1926,
0.0834

Harmonies

Analogous

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



65.9725, 0.2670, 0.2731



65.9725, 0.2955, 0.2768



65.9725, 0.3303, 0.2926

Triad

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



65.9725, 0.2955, 0.2768



65.9725, 0.3780, 0.3713



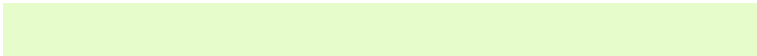
65.9725, 0.2653, 0.3389

Complementary

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



65.9725, 0.2955, 0.2768



91.3943, 0.3274, 0.3808

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.



65.9725, 0.2931, 0.3700



65.9725, 0.2955, 0.2768



65.9725, 0.3585, 0.3880

Square

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



65.9725, 0.2955, 0.2768



65.9725, 0.3794, 0.3453



65.9725, 0.3271, 0.3884



65.9725, 0.2503, 0.3067

Rectangle

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



65.9725, 0.2955, 0.2768



65.9725, 0.3522, 0.3082



65.9725, 0.3271, 0.3884



65.9725, 0.2734, 0.3500

Sweetspot

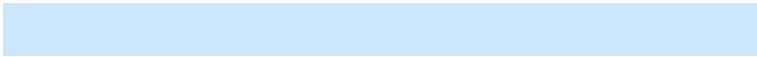
The Sweet Spot groups the original color and five complimentary colors.



65.9753, 0.2955, 0.2768



89.0853, 0.3080, 0.3141



76.6689, 0.2816, 0.3049



18.8244, 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.



65.9753, 0.2955, 0.2768



61.2196, 0.2911, 0.2645



70.2332, 0.3132, 0.2795



17.7855, 0.3051, 0.3049



5.8296, 0.1942, 0.0844



0.6316, 0.2067, 0.0912

Inverse Universe

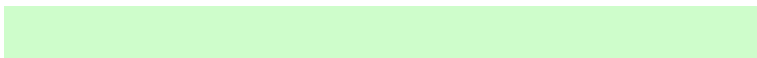
The Inverse Universe completely reimagines the original color for something new.



69.3265, 0.3314, 0.3017



65.2982, 0.3365, 0.2955



87.6102, 0.3117, 0.3834



18.1517, 0.3209, 0.3162



12.1004, 0.4787, 0.2411



1.2002, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 65.9725, 0.2955, 0.2768 looks on a white background.

Color Contrast Check

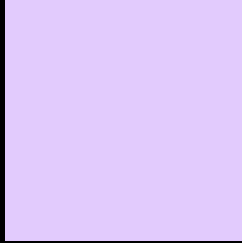
Large Text (above 18pt) WCAG AA × Fail

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 65.9725, 0.2955, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

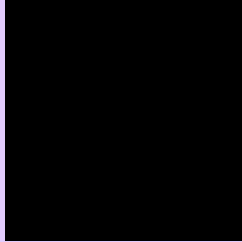
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

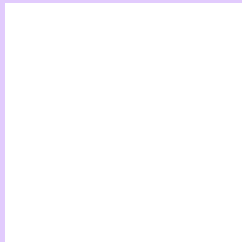
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9725, 0.2955, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 65.9725, 0.2955, 0.2768.

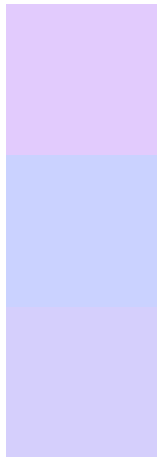


This preview shows how white text looks on a background with the Yxy color 65.9725, 0.2955, 0.2768.

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

65.9725, 0.2955, 0.2768

Protanopia

65.8697, 0.2783, 0.2801

Deuteranopia

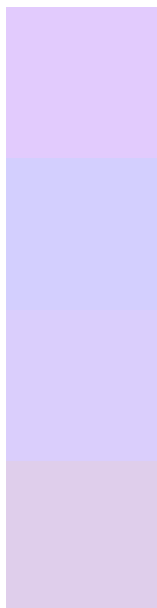
65.8001, 0.2873, 0.2808



Tritanopia

65.8657, 0.3113, 0.3115

Trichromacy



Original Color

65.9725, 0.2955, 0.2768

Protanomaly

65.6303, 0.2847, 0.2786

Deuteranomaly

66.0763, 0.2907, 0.2801

Tritanomaly

65.8287, 0.3053, 0.2978

Monochromacy



Original Color

65.9725, 0.2955, 0.2768

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.4613, 0.3071, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9725, 0.2955, 0.2768 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, 203, 253)` looks like.

```
.text, #text, p{  
    color:rgb(226, 203, 253)  
}
```

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, 203, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 203, 253) }
```

Border

The CSS property to change the border of an element to Yxy 65.9725, 0.2955, 0.2768 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, 203, 253) }
```

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

```
.border{ border-color:rgb(226, 203, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 203, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 203, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 203, 253);  
box-shadow:4px 4px 4px 4px rgb(226, 203,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9725, 0.2955, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 203, 253) }
```

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

```
.background{ background-color: rgb(226,  
203, 253) }
```

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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