

Converting Colors

$Y_{xy}(65.9550, 0.2957, 0.2740)$

Have a look what the booklet for
Yxy(65.9550, 0.2957, 0.2740)
contains.

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Color

Yxy(65.9550, 0.2957, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	E4CAFF
RGB	228, 202, 255
RGB Percent	89%, 79%, 100%
CMY	0.1056, 0.2079, 0.0000
CMYK	0.11, 0.21, 0.00, 0.00
HSL	270°, 100%, 90%
HSV	270°, 21%, 100%
XYZ	71.1784, 65.9550, 103.5782
YIQ	215.8160, -1.5170, 21.9950

Conversions

Conversions Part 2

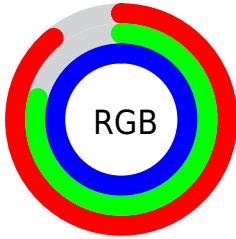
Format	Color
R _Y B	228, 202, 255
Decimal	14994175
CIE Lab	84.97, 18.82, -22.61
CIE LCh	85, 29.416, 309.783
Yxy	65.9550, 0.2957, 0.2740
Android (android.graphics.Color)	4293184255 (0xFFE4CAFF)
YUV	215.8160, 19.3177, 10.6854
Hunter-Lab	81.2127, 14.3232, -18.7693

Details

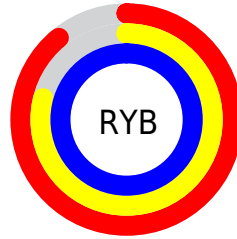
The Yxy color $65.9550, 0.2957, 0.2740$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.4216, 0.3270, 0.3840$, and the grayscale version is $68.4103, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.0277, 0.2911, 0.2621$ is the 20% darker color. If you saturate the color by 10%, you get $52.9246, 0.2855, 0.2448$, and if you desaturate by 10%, it is $81.1266, 0.3046, 0.3016$.

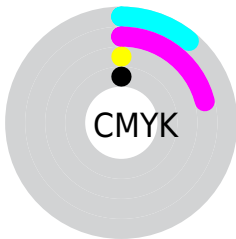
Distribution



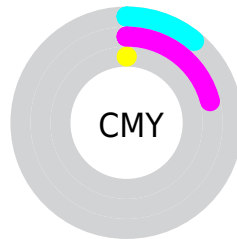
- Red (89%)
- Green (79%)
- Blue (100%)



- Red (89%)
- Yellow (79%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9550, 0.2957, 0.2740 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 65.9550, 0.2957, 0.2740 by changing the saturation by 10% instead.


 65.9550, 0.2957,
0.2740

 65.9550, 0.2957,
0.2740


446.2159, 0.3040,
0.2989

 48.2359, 0.2937,
0.2685


113.4217, 0.2987,
0.2825

 34.0137, 0.2912,
0.2617

143.9382, 0.2998,
0.2858

 22.9041, 0.2880,
0.2533


179.4891, 0.3007,
0.2887

 14.5227, 0.2837,
0.2426

220.4590, 0.3016,
0.2913

 8.4851, 0.2777,
0.2283

267.2322, 0.3023,
0.2935

 4.4069, 0.2688,
0.2087

320.1932, 0.3029,

 1.9037, 0.2543,

0.2955

0.1801

379.7263, 0.3035,
0.2973

0.5506, 0.2302,
0.1279

0.0000, 0.0000,
0.0000

65.9550, 0.2957,
0.2740

65.9550, 0.2957,
0.2740

52.9246, 0.2855,
0.2448

81.1266, 0.3046,
0.3016

41.9266, 0.2740,
0.2147

98.5248, 0.3122,
0.3271

32.8550, 0.2614,
0.1848

99.9994, 0.3127,
0.3290

25.5905, 0.2480,
0.1565

■ 20.0001, 0.2344,
0.1313

■ 15.9315, 0.2212,
0.1109

■ 13.2029, 0.2089,
0.0960

■ 11.6134, 0.1989,
0.0869

Harmonies

Analogous

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



65.9550, 0.2650, 0.2694



65.9550, 0.2957, 0.2740



65.9550, 0.3329, 0.2912

Triad

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



65.9550, 0.2957, 0.2740



65.9550, 0.3819, 0.3749



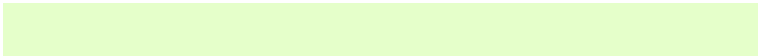
65.9550, 0.2613, 0.3380

Complementary

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



65.9550, 0.2957, 0.2740



92.4216, 0.3270, 0.3840

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.



65.9550, 0.2903, 0.3718



65.9550, 0.2957, 0.2740



65.9550, 0.3602, 0.3924

Square

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



65.9550, 0.2957, 0.2740



65.9550, 0.3843, 0.3474



65.9550, 0.3265, 0.3922



65.9550, 0.2461, 0.3038

Rectangle

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



65.9550, 0.2957, 0.2740



65.9550, 0.3561, 0.3079



65.9550, 0.3265, 0.3922



65.9550, 0.2697, 0.3500

Sweetspot

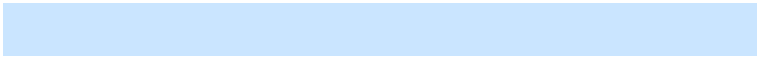
The Sweet Spot groups the original color and five complimentary colors.



65.9578, 0.2957, 0.2740



89.1792, 0.3084, 0.3141



76.0183, 0.2797, 0.3015



18.8465, 0.3079, 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.



65.9578, 0.2957, 0.2740



60.2174, 0.2916, 0.2619



70.5446, 0.3145, 0.2771



17.8165, 0.3056, 0.3050



6.1571, 0.2005, 0.0878



0.6643, 0.2128, 0.0946

Inverse Universe

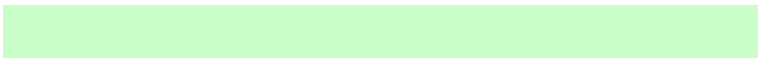
The Inverse Universe completely reimagines the original color for something new.



69.1446, 0.3340, 0.3019



63.9928, 0.3394, 0.2962



88.4559, 0.3105, 0.3868



18.1411, 0.3214, 0.3170



11.9748, 0.4930, 0.2490



1.1880, 0.4680, 0.2352

Previews

White Background



This preview shows how the Yxy color 65.9550, 0.2957, 0.2740 looks on a white background.

Color Contrast Check

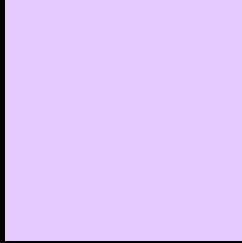
Large Text (above 18pt) WCAG AA × Fail

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 65.9550, 0.2957, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

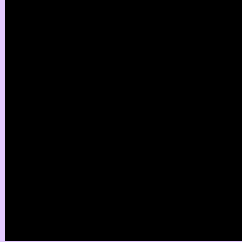
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9550, 0.2957, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 65.9550, 0.2957, 0.2740.

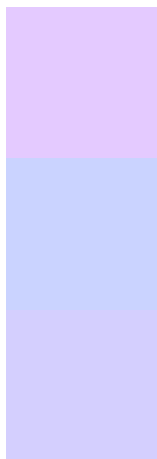


This preview shows how white text looks on a background with the Yxy color 65.9550, 0.2957, 0.2740.

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

65.9550, 0.2957, 0.2740

Protanopia

66.3651, 0.2784, 0.2812

Deuteranopia

65.7785, 0.2853, 0.2787



Tritanopia

66.1815, 0.3128, 0.3116

Trichromacy



Original Color

65.9550, 0.2957, 0.2740

Protanomaly

66.1806, 0.2841, 0.2787

Deuteranomaly

65.7238, 0.2894, 0.2771

Tritanomaly

66.1483, 0.3068, 0.2979

Monochromacy



Original Color

65.9550, 0.2957, 0.2740

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.5173, 0.3064, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9550, 0.2957, 0.2740 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(228, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 202, 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(228, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.9550, 0.2957, 0.2740 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(228, 202, 255) }
```

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

```
.border{ border-color:rgb(228, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9550, 0.2957, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 255) }
```

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

```
.background{ background-color: rgb(228,  
202, 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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