

Converting Colors

$Y_{xy}(85.2715, 0.2554, 0.2292)$

Have a look what the booklet for
Yxy(85.2715, 0.2554, 0.2292)
contains.

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Color

Yxy(78.9364, 0.2993, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2FF
RGB	233, 226, 255
RGB Percent	91%, 89%, 100%
CMY	0.0861, 0.1137, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	255°, 100%, 94%
HSV	255°, 11%, 100%
XYZ	78.8574, 78.9364, 105.6789
YIQ	231.3990, -5.1370, 10.5030

Conversions

Conversions Part 2

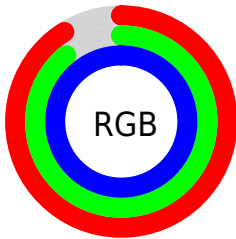
Format	Color
R_{YB}	233, 226, 255
Decimal	15327999
CIE _{Lab}	91.21, 7.73, -13.18
CIE _{LCh}	91, 15.283, 300.402
Yxy	78.9364, 0.2993, 0.2996
Android (android.graphics.Color)	4293518079 (0xFFE9E2FF)
YUV	231.3990, 11.6353, 1.4041
Hunter-Lab	88.8462, 2.9508, -8.3307

Details

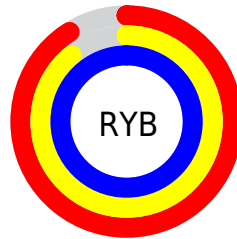
The Yxy color $78.9364, 0.2993, 0.2996$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.9527, 0.3252, 0.3576$, and the grayscale version is $80.1433, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.5501, 0.2962, 0.2938$ is the 20% darker color. If you saturate the color by 10%, you get $63.0137, 0.2856, 0.2707$, and if you desaturate by 10%, it is $97.2835, 0.3112, 0.3257$.

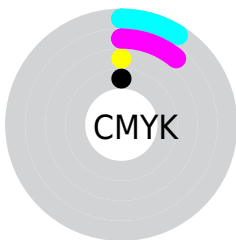
Distribution



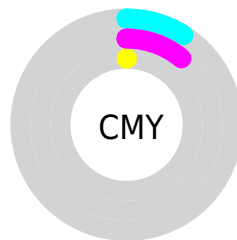
- Red (91%)
- Green (89%)
- Blue (100%)



- Red (91%)
- Yellow (89%)
- Blue (100%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9364, 0.2993, 0.2996 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 78.9364, 0.2993, 0.2996 by changing the saturation by 10% instead.


 78.9364, 0.2993,
0.2996

 78.9364, 0.2993,
0.2996


491.3412, 0.3055,
0.3128

 58.8435, 0.2979,
0.2967


131.8693, 0.3014,
0.3041

 42.4872, 0.2962,
0.2931


165.4782, 0.3023,
0.3059

 29.4829, 0.2940,
0.2887


204.3611, 0.3030,
0.3074

 19.4465, 0.2912,
0.2830

248.9025, 0.3036,
0.3087

 11.9933, 0.2873,
0.2756

299.4869, 0.3042,
0.3099

 6.7391, 0.2819,
0.2652

356.4985, 0.3047,

 3.2995, 0.2735,

0.3110

0.2499

420.3218, 0.3051,
0.3119

■ 1.2900, 0.2593,
0.2252

■ 0.1335, 0.2077,
0.0878

■ 78.9364, 0.2993,
0.2996

■ 78.9364, 0.2993,
0.2996

■ 63.0137, 0.2856,
0.2707

■ 97.2835, 0.3112,
0.3257

■ 49.4034, 0.2701,
0.2394

99.9994, 0.3127,
0.3290

■ 37.9992, 0.2531,
0.2065

■ 28.6828, 0.2349,
0.1731

■ 21.3243, 0.2165,
0.1412

■ 15.7793, 0.1989,
0.1129

■ 11.8826, 0.1832,
0.0903

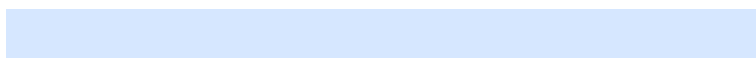
■ 9.4371, 0.1705,
0.0748

■ 8.2404, 0.1623,
0.0668

Harmonies

Analogous

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



78.9364, 0.2854, 0.3000



78.9364, 0.2993, 0.2996



78.9364, 0.3172, 0.3065

Triad

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



78.9364, 0.2993, 0.2996



78.9364, 0.3479, 0.3486



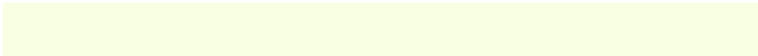
78.9364, 0.2913, 0.3390

Complementary

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



78.9364, 0.2993, 0.2996



96.9527, 0.3252, 0.3576

Split Complementary

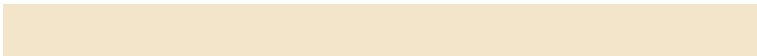
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9364, 0.3075, 0.3532



78.9364, 0.2993, 0.2996



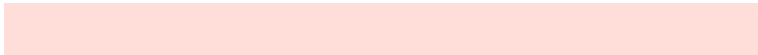
78.9364, 0.3404, 0.3584

Square

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



78.9364, 0.2993, 0.2996



78.9364, 0.3456, 0.3342



78.9364, 0.3255, 0.3603



78.9364, 0.2809, 0.3223

Rectangle

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



78.9364, 0.2993, 0.2996



78.9364, 0.3290, 0.3144



78.9364, 0.3255, 0.3603



78.9364, 0.2962, 0.3442

Sweetspot

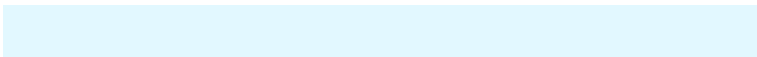
The Sweet Spot groups the original color and five complimentary colors.



78.9397, 0.2993, 0.2996



94.1336, 0.3094, 0.3216



90.6611, 0.2951, 0.3221



19.8211, 0.3085, 0.3196



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.



78.9397, 0.2993, 0.2996



74.5283, 0.2959, 0.2923



81.4314, 0.3088, 0.3005



17.5906, 0.3017, 0.3047



4.3635, 0.1636, 0.0675



0.4729, 0.1744, 0.0734

Inverse Universe

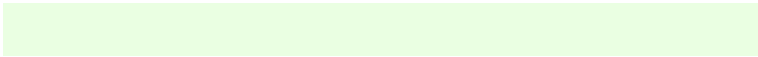
The Inverse Universe completely reimagines the original color for something new.



82.4233, 0.3186, 0.3076



78.7540, 0.3201, 0.3025



94.4515, 0.3162, 0.3584



18.2205, 0.3175, 0.3112



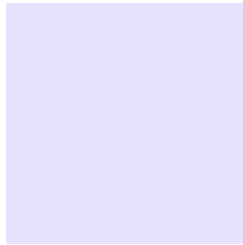
13.1476, 0.3939, 0.1944



1.2973, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 78.9364, 0.2993, 0.2996 looks on a white background.

Color Contrast Check

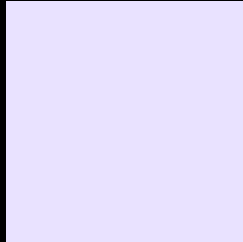
Large Text (above 18pt) WCAG AA × Fail

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 78.9364, 0.2993, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

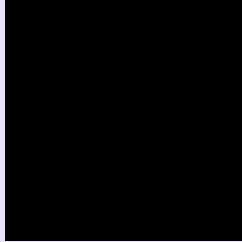
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9364, 0.2993, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 78.9364, 0.2993, 0.2996.

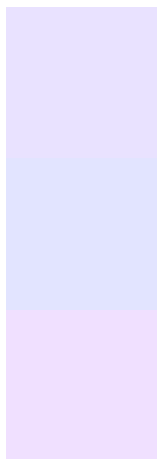


This preview shows how white text looks on a background with the Yxy color 78.9364, 0.2993, 0.2996.

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

78.9364, 0.2993, 0.2996

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

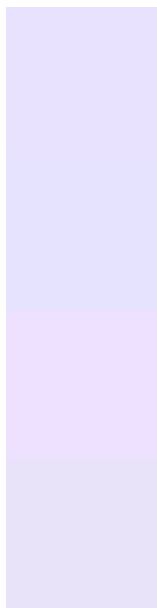
79.0566, 0.3039, 0.2980



Tritanopia

79.1296, 0.3034, 0.3105

Trichromacy



Original Color

78.9364, 0.2993, 0.2996

Protanomaly

78.8162, 0.2967, 0.3004

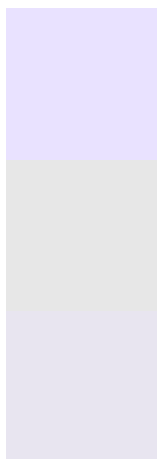
Deuteranomaly

79.0750, 0.3019, 0.2988

Tritanomaly

78.9335, 0.3023, 0.3065

Monochromacy



Original Color

78.9364, 0.2993, 0.2996

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.4857, 0.3078, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9364, 0.2993, 0.2996 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(233, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 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(233, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.9364, 0.2993, 0.2996 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(233, 226, 255) }
```

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

```
.border{ border-color:rgb(233, 226, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9364, 0.2993, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 255) }
```

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

```
.background{ background-color: rgb(233,  
226, 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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