

Converting Colors

$Y_{xy}(79.1810, 0.2996, 0.2999)$

Have a look what the booklet for
Yxy(79.1810, 0.2996, 0.2999)
contains.

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Color

Yxy(79.1051, 0.2999, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	EAE2FF
RGB	234, 226, 255
RGB Percent	92%, 89%, 100%
CMY	0.0826, 0.1136, 0.0001
CMYK	0.08, 0.11, 0.00, 0.00
HSL	256°, 100%, 94%
HSV	256°, 11%, 100%
XYZ	79.1579, 79.1051, 105.6846
YIQ	231.6980, -4.5410, 10.7150

Conversions

Conversions Part 2

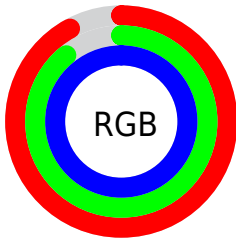
Format	Color
R _Y B	234, 226, 255
Decimal	15393535
CIE Lab	91.28, 8.00, -13.05
CIE LCh	91, 15.311, 301.507
Yxy	79.1051, 0.2999, 0.2997
Android (android.graphics.Color)	4293583615 (0xFFEAE2FF)
YUV	231.6980, 11.4879, 2.0189
Hunter-Lab	88.9410, 3.2189, -8.1929

Details

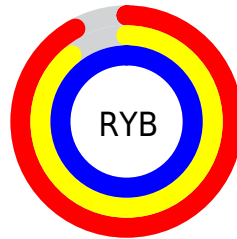
The Yxy color $79.1051, 0.2999, 0.2997$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.7865, 0.3246, 0.3576$, and the grayscale version is $80.3687, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.6680, 0.2970, 0.2939$ is the 20% darker color. If you saturate the color by 10%, you get $63.2809, 0.2868, 0.2710$, and if you desaturate by 10%, it is $97.3263, 0.3113, 0.3257$.

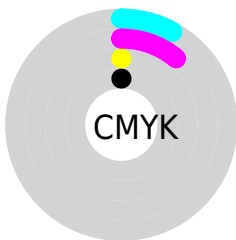
Distribution



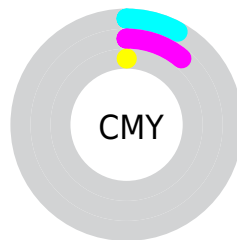
- Red (92%)
- Green (89%)
- Blue (100%)



- Red (92%)
- Yellow (89%)
- Blue (100%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1051, 0.2999, 0.2997 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 79.1051, 0.2999, 0.2997 by changing the saturation by 10% instead.

79.1051, 0.2999,
0.2997

79.1051, 0.2999,
0.2997

491.9118, 0.3058,
0.3128

58.9822, 0.2986,
0.2968

132.1068, 0.3019,
0.3042

42.5988, 0.2969,
0.2933

165.7544, 0.3027,
0.3059

29.5705, 0.2948,
0.2889

204.6791, 0.3034,
0.3075

19.5128, 0.2921,
0.2832

249.2652, 0.3040,
0.3088

12.0414, 0.2884,
0.2758

299.8971, 0.3046,
0.3100

6.7719, 0.2832,
0.2655

356.9593, 0.3050,

3.3198, 0.2752,

0.3110

0.2503

420.8360, 0.3054,
0.3120

■ 1.3009, 0.2615,
0.2258

■ 0.1419, 0.2140,
0.0920

■ 79.1051, 0.2999,
0.2997

■ 79.1051, 0.2999,
0.2997

■ 63.2809, 0.2868,
0.2710

■ 97.3263, 0.3113,
0.3257

■ 49.7428, 0.2719,
0.2399

99.9986, 0.3127,
0.3290

■ 38.3864, 0.2555,
0.2073

■ 29.0947, 0.2379,
0.1743

■ 21.7396, 0.2200,
0.1428

■ 16.1786, 0.2026,
0.1148

■ 12.2486, 0.1870,
0.0923

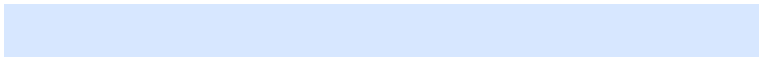
■ 9.7552, 0.1740,
0.0767

■ 8.5059, 0.1654,
0.0685

Harmonies

Analogous

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



79.1051, 0.2857, 0.2998



79.1051, 0.2999, 0.2997



79.1051, 0.3179, 0.3069

Triad

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



79.1051, 0.2999, 0.2997



79.1051, 0.3478, 0.3491



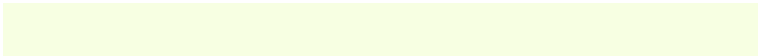
79.1051, 0.2907, 0.3384

Complementary

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



79.1051, 0.2999, 0.2997



96.7865, 0.3246, 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.



79.1051, 0.3069, 0.3528



79.1051, 0.2999, 0.2997



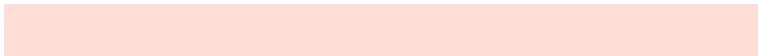
79.1051, 0.3400, 0.3586

Square

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



79.1051, 0.2999, 0.2997



79.1051, 0.3459, 0.3348



79.1051, 0.3249, 0.3602



79.1051, 0.2806, 0.3217

Rectangle

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



79.1051, 0.2999, 0.2997



79.1051, 0.3296, 0.3148



79.1051, 0.3249, 0.3602



79.1051, 0.2956, 0.3437

Sweetspot

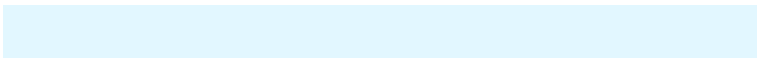
The Sweet Spot groups the original color and five complimentary colors.



79.1084, 0.2999, 0.2997



94.1762, 0.3095, 0.3216



90.0719, 0.2951, 0.3212



19.8325, 0.3087, 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.



79.1084, 0.2999, 0.2997



74.7051, 0.2966, 0.2924



81.6249, 0.3095, 0.3006



17.6176, 0.3021, 0.3047



4.5081, 0.1668, 0.0693



0.4902, 0.1781, 0.0755

Inverse Universe

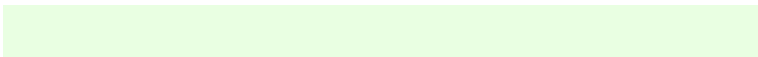
The Inverse Universe completely reimagines the original color for something new.



82.3849, 0.3191, 0.3085



78.6879, 0.3208, 0.3035



94.2859, 0.3155, 0.3584



18.2108, 0.3180, 0.3119



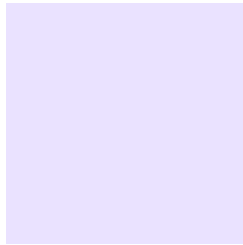
12.9742, 0.4048, 0.2004



1.2816, 0.3930, 0.1939

Previews

White Background



This preview shows how the Yxy color 79.1051, 0.2999, 0.2997 looks on a white background.

Color Contrast Check

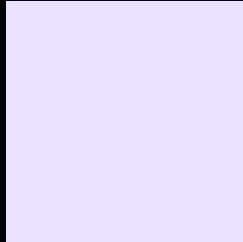
Large Text (above 18pt) WCAG AA × Fail

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 79.1051, 0.2999, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

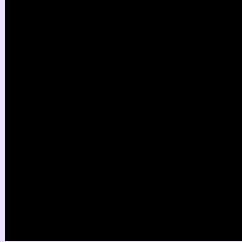
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1051, 0.2999, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 79.1051, 0.2999, 0.2997.

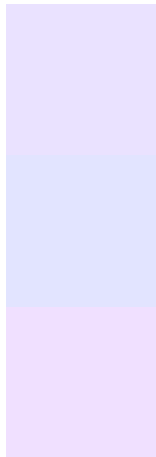


This preview shows how white text looks on a background with the Yxy color 79.1051, 0.2999, 0.2997.

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

79.1051, 0.2999, 0.2997

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

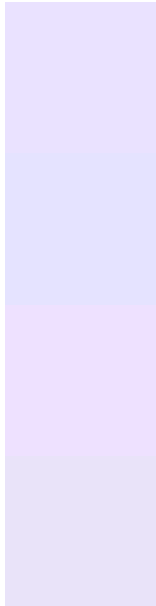
79.0566, 0.3039, 0.2980



Tritanopia

79.2964, 0.3041, 0.3105

Trichromacy



Original Color

79.1051, 0.2999, 0.2997

Protanomaly

78.8162, 0.2967, 0.3004

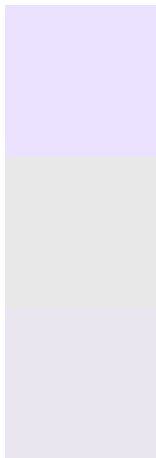
Deuteranomaly

79.2476, 0.3026, 0.2989

Tritanomaly

79.1014, 0.3029, 0.3065

Monochromacy



Original Color

79.1051, 0.2999, 0.2997

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.2085, 0.3085, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1051, 0.2999, 0.2997 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(234, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.1051, 0.2999, 0.2997 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(234, 226, 255) }
```

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

```
.border{ border-color:rgb(234, 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(234, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 226, 255); box-shadow:4px 4px 4px 4px rgb(234, 226, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1051, 0.2999, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 226, 255) }
```

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

```
.background{ background-color: rgb(234,  
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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