

Converting Colors

$Yxy(79.6962, 0.3029, 0.2996)$

Have a look what the booklet for
Yxy(79.6962, 0.3029, 0.2996)
contains.

Yxy(79.7899, 0.3026, 0.2999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.7899, 0.3026, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2FF
RGB	238, 226, 255
RGB Percent	93%, 89%, 100%
CMY	0.0666, 0.1137, 0.0000
CMYK	0.07, 0.11, 0.00, 0.00
HSL	265°, 100%, 94%
HSV	265°, 11%, 100%
XYZ	80.5082, 79.7899, 105.7569
YIQ	232.8940, -2.1570, 11.5630

Conversions

Conversions Part 2

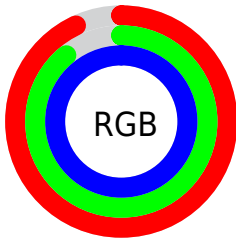
Format	Color
R _Y B	238, 226, 255
Decimal	15655679
CIE Lab	91.59, 9.33, -12.57
CIE LCh	92, 15.652, 306.594
Yxy	79.7899, 0.3026, 0.2999
Android (android.graphics.Color)	4293845759 (0xFFEEE2FF)
YUV	232.8940, 10.8983, 4.4780
Hunter-Lab	89.3252, 4.5619, -7.6690

Details

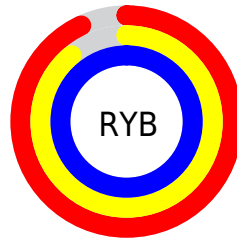
The Yxy color **79.7899, 0.3026, 0.2999** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.0564, 0.3220, 0.3578**, and the grayscale version is **81.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1481, 0.3004, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **64.4627, 0.2921, 0.2718**, and if you desaturate by 10%, it is **97.4005, 0.3116, 0.3257**.

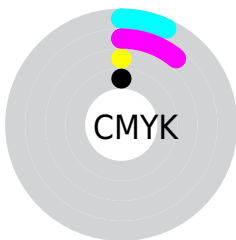
Distribution



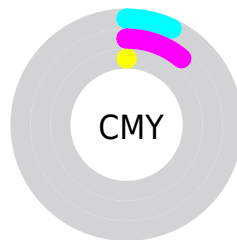
- Red (93%)
- Green (89%)
- Blue (100%)



- Red (93%)
- Yellow (89%)
- Blue (100%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7899, 0.3026, 0.2999 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 79.7899, 0.3026, 0.2999 by changing the saturation by 10% instead.


 79.7899, 0.3026,
0.2999

 79.7899, 0.3026,
0.2999


494.2245, 0.3073,
0.3129

 59.5455, 0.3015,
0.2970

133.0703, 0.3042,
0.3043

 43.0524, 0.3002,
0.2935


166.8751, 0.3049,
0.3061

 29.9262, 0.2985,
0.2892


205.9687, 0.3054,
0.3076

 19.7826, 0.2964,
0.2837

250.7357, 0.3059,
0.3089

 12.2371, 0.2934,
0.2764

301.5604, 0.3063,
0.3101

 6.9054, 0.2892,
0.2663

358.8271, 0.3067,

 3.4030, 0.2827,

0.3111

0.2514

422.9204, 0.3070,
0.3121

■ 1.3456, 0.2715,
0.2277

■ 0.1761, 0.2401,
0.1070

■ 79.7899, 0.3026,
0.2999

■ 79.7899, 0.3026,
0.2999

■ 64.4627, 0.2921,
0.2718

■ 97.4005, 0.3116,
0.3257

■ 51.3127, 0.2802,
0.2419

99.9994, 0.3127,
0.3290

■ 40.2406, 0.2668,
0.2109

■ 31.1350, 0.2523,
0.1798

■ 23.8738, 0.2371,
0.1504

■ 18.3207, 0.2219,
0.1242

■ 14.3197, 0.2075,
0.1030

■ 11.6841, 0.1945,
0.0878

■ 10.2632, 0.1849,
0.0792

Harmonies

Analogous

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



79.7899, 0.2872, 0.2987



79.7899, 0.3026, 0.2999



79.7899, 0.3211, 0.3083

Triad

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



79.7899, 0.3026, 0.2999



79.7899, 0.3478, 0.3516



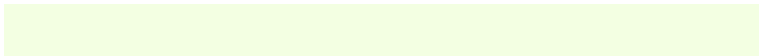
79.7899, 0.2880, 0.3357

Complementary

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



79.7899, 0.3026, 0.2999



96.0564, 0.3220, 0.3578

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.



79.7899, 0.3037, 0.3511



79.7899, 0.3026, 0.2999



79.7899, 0.3383, 0.3601

Square

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



79.7899, 0.3026, 0.2999



79.7899, 0.3476, 0.3376



79.7899, 0.3221, 0.3602



79.7899, 0.2790, 0.3188

Rectangle

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



79.7899, 0.3026, 0.2999



79.7899, 0.3327, 0.3169



79.7899, 0.3221, 0.3602



79.7899, 0.2927, 0.3413

Sweetspot

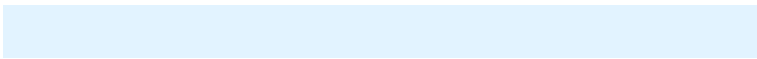
The Sweet Spot groups the original color and five complimentary colors.



79.7933, 0.3026, 0.2999



94.3760, 0.3102, 0.3216



87.7269, 0.2950, 0.3172



19.8863, 0.3095, 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.



79.7933, 0.3026, 0.2999



75.5480, 0.3000, 0.2927



82.3262, 0.3121, 0.3007



17.7454, 0.3044, 0.3049



5.4457, 0.1866, 0.0802



0.5925, 0.1992, 0.0871

Inverse Universe

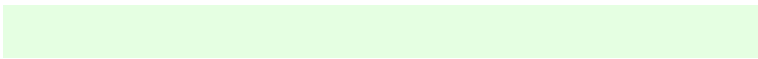
The Inverse Universe completely reimagines the original color for something new.



82.1222, 0.3218, 0.3124



78.3833, 0.3242, 0.3084



93.6473, 0.3131, 0.3586



18.1656, 0.3202, 0.3152



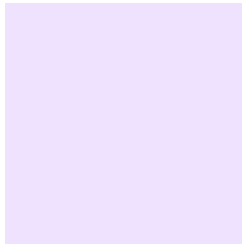
12.2786, 0.4604, 0.2310



1.2173, 0.4400, 0.2198

Previews

White Background



This preview shows how the Yxy color 79.7899, 0.3026, 0.2999 looks on a white background.

Color Contrast Check

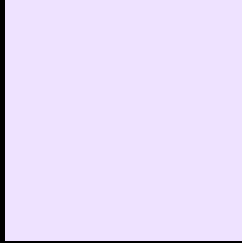
Large Text (above 18pt) WCAG AA × Fail

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 79.7899, 0.3026, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

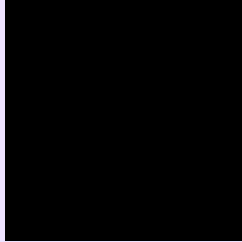
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

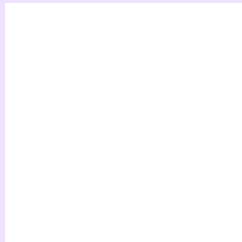
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7899, 0.3026, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 79.7899, 0.3026, 0.2999.

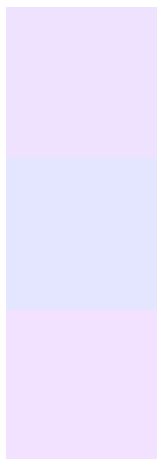


This preview shows how white text looks on a background with the Yxy color 79.7899, 0.3026, 0.2999.

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

79.7899, 0.3026, 0.2999

Protanopia

79.7526, 0.2960, 0.3024

Deuteranopia

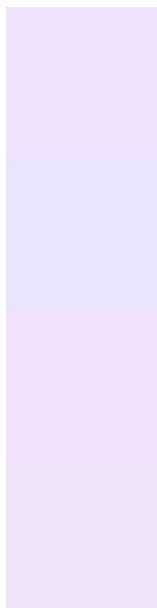
79.9477, 0.3053, 0.2991



Tritanopia

80.1452, 0.3075, 0.3107

Trichromacy



Original Color

79.7899, 0.3026, 0.2999

Protanomaly

79.8626, 0.2986, 0.3016

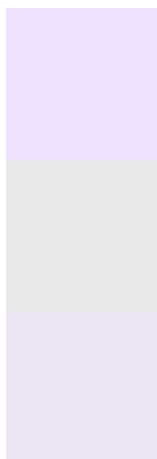
Deuteranomaly

79.7712, 0.3046, 0.2991

Tritanomaly

79.7822, 0.3056, 0.3067

Monochromacy



Original Color

79.7899, 0.3026, 0.2999

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.6067, 0.3092, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7899, 0.3026, 0.2999 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(238, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.7899, 0.3026, 0.2999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

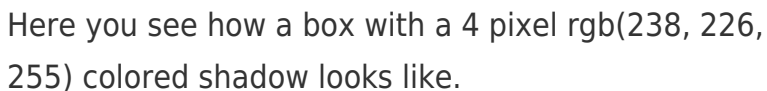
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 226, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 226, 255); box-shadow:4px 4px 4px 4px rgb(238, 226, 255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.7899, 0.3026, 0.2999$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 255) }
```

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

```
.background{ background-color: rgb(238,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor