

Converting Colors

$Yxy(80.4989, 0.2827, 0.2762)$

Have a look what the booklet for
Yxy(80.4989, 0.2827, 0.2762)
contains.

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Color

Yxy(78.9812, 0.2973, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	E6E3FF
RGB	230, 227, 255
RGB Percent	90%, 89%, 100%
CMY	0.0982, 0.1097, 0.0001
CMYK	0.10, 0.11, 0.00, 0.00
HSL	246°, 100%, 95%
HSV	246°, 11%, 100%
XYZ	78.1401, 78.9812, 105.7113
YIQ	231.0890, -7.2000, 9.3440

Conversions

Conversions Part 2

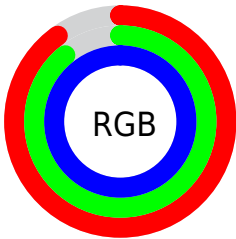
Format	Color
R _Y B	230, 227, 255
Decimal	15131647
CIE Lab	91.23, 6.22, -13.17
CIE LCh	91, 14.561, 295.279
Yxy	78.9812, 0.2973, 0.3005
Android (android.graphics.Color)	4293321727 (0xFFE6E3FF)
YUV	231.0890, 11.7881, -0.9551
Hunter-Lab	88.8714, 1.4212, -8.3147

Details

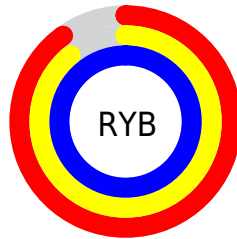
The Yxy color **78.9812, 0.2973, 0.3005** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.7513, 0.3272, 0.3563**, and the grayscale version is **79.8934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5809, 0.2937, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **62.5233, 0.2811, 0.2711**, and if you desaturate by 10%, it is **98.0048, 0.3115, 0.3267**.

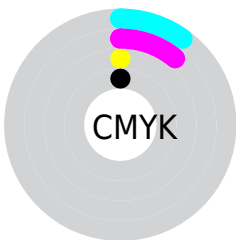
Distribution



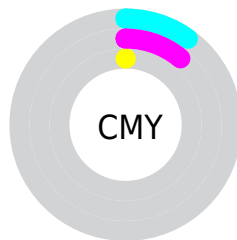
- Red (90%)
- Green (89%)
- Blue (100%)



- Red (90%)
- Yellow (89%)
- Blue (100%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9812, 0.2973, 0.3005 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 78.9812, 0.2973, 0.3005 by changing the saturation by 10% instead.


 78.9812, 0.2973,
0.3005

 78.9812, 0.2973,
0.3005

491.4927, 0.3044,
0.3133

 58.8804, 0.2957,
0.2977


131.9324, 0.2997,
0.3049

 42.5168, 0.2937,
0.2942

165.5515, 0.3007,
0.3066

 29.5062, 0.2913,
0.2899


204.4456, 0.3015,
0.3081

 19.4641, 0.2881,
0.2844

248.9989, 0.3022,
0.3094

 12.0061, 0.2837,
0.2770

299.5958, 0.3029,
0.3105

 6.7478, 0.2776,
0.2669

356.6209, 0.3034,

 3.3049, 0.2683,

0.3116

0.2518

420.4584, 0.3039,
0.3125

■ 1.2929, 0.2524,
0.2275

■ 0.1357, 0.1886,
0.0912

■ 78.9812, 0.2973,
0.3005

■ 78.9812, 0.2973,
0.3005

■ 62.5233, 0.2811,
0.2711

■ 98.0048, 0.3115,
0.3267

■ 48.5118, 0.2631,
0.2389

■ 99.9983, 0.3127,
0.3290

■ 36.8326, 0.2435,
0.2046

■ 27.3586, 0.2231,
0.1696

■ 19.9505, 0.2030,
0.1361

■ 14.4533, 0.1846,
0.1066

■ 10.6896, 0.1695,
0.0836

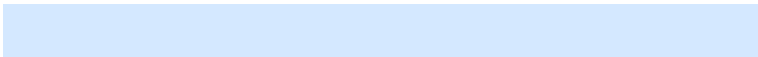
■ 8.4487, 0.1587,
0.0686

■ 7.4497, 0.1529,
0.0616

Harmonies

Analogous

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



78.9812, 0.2850, 0.3022



78.9812, 0.2973, 0.3005



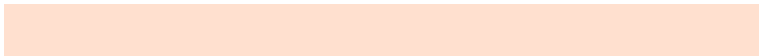
78.9812, 0.3140, 0.3060

Triad

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



78.9812, 0.2973, 0.3005



78.9812, 0.3465, 0.3456



78.9812, 0.2946, 0.3411

Complementary

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



78.9812, 0.2973, 0.3005



97.7513, 0.3272, 0.3563

Split Complementary

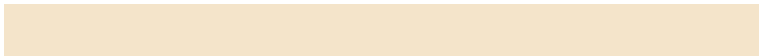
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9812, 0.3107, 0.3537



78.9812, 0.2973, 0.3005



78.9812, 0.3409, 0.3559

Square

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



78.9812, 0.2973, 0.3005



78.9812, 0.3428, 0.3315



78.9812, 0.3277, 0.3591



78.9812, 0.2835, 0.3253

Rectangle

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



78.9812, 0.2973, 0.3005



78.9812, 0.3255, 0.3129



78.9812, 0.3277, 0.3591



78.9812, 0.2996, 0.3459

Sweetspot

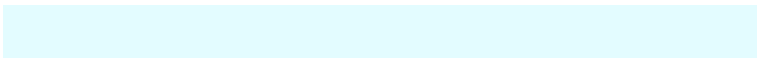
The Sweet Spot groups the original color and five complimentary colors.



78.9845, 0.2973, 0.3005



93.9409, 0.3087, 0.3216



93.2856, 0.2958, 0.3262



19.7692, 0.3076, 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.



78.9845, 0.2973, 0.3005



75.4458, 0.2942, 0.2948



81.3631, 0.3065, 0.3013



17.4693, 0.2995, 0.3045



3.9230, 0.1535, 0.0619



0.4107, 0.1603, 0.0657

Inverse Universe

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



83.2340, 0.3159, 0.3047



80.4199, 0.3165, 0.3001



95.2627, 0.3184, 0.3570



18.2654, 0.3154, 0.3080



14.0526, 0.3495, 0.1699



1.3773, 0.3458, 0.1678

Previews

White Background



This preview shows how the Yxy color 78.9812, 0.2973, 0.3005 looks on a white background.

Color Contrast Check

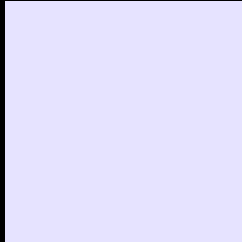
Large Text (above 18pt) WCAG AA × Fail

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 78.9812, 0.2973, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

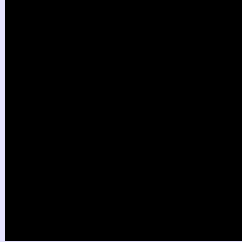
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9812, 0.2973, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 78.9812, 0.2973, 0.3005.



This preview shows how white text looks on a background with the Yxy color 78.9812, 0.2973, 0.3005.

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

78.9812, 0.2973, 0.3005

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

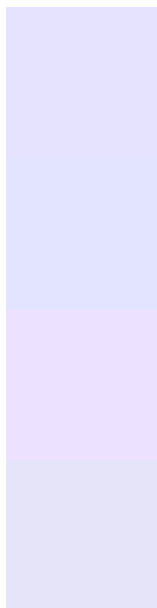
79.0566, 0.3039, 0.2980



Tritanopia

78.7986, 0.3021, 0.3104

Trichromacy



Original Color

78.9812, 0.2973, 0.3005

Protanomaly

79.0377, 0.2954, 0.3013

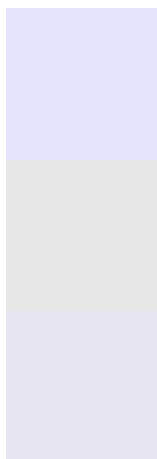
Deuteranomaly

78.9033, 0.3013, 0.2987

Tritanomaly

78.9844, 0.3003, 0.3074

Monochromacy



Original Color

78.9812, 0.2973, 0.3005

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8738, 0.3071, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9812, 0.2973, 0.3005 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(230, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 227, 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(230, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.9812, 0.2973, 0.3005 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(230, 227, 255) }
```

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

```
.border{ border-color:rgb(230, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9812, 0.2973, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 227, 255) }
```

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

```
.background{ background-color: rgb(230,  
227, 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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