

Converting Colors

$Yxy(80.9516, 0.2995, 0.3037)$

Have a look what the booklet for
Yxy(80.9516, 0.2995, 0.3037)
contains.

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Color

Yxy(81.1373, 0.2993, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	E9E6FF
RGB	233, 230, 255
RGB Percent	91%, 90%, 100%
CMY	0.0861, 0.0981, 0.0000
CMYK	0.09, 0.10, 0.00, 0.00
HSL	247°, 100%, 95%
HSV	247°, 10%, 100%
XYZ	79.9618, 81.1373, 106.0636
YIQ	233.7470, -6.2370, 8.4110

Conversions

Conversions Part 2

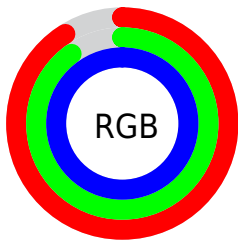
Format	Color
R _Y B	233, 230, 255
Decimal	15329023
CIE Lab	92.19, 5.66, -11.72
CIE LCh	92, 13.015, 295.787
Yxy	81.1373, 0.2993, 0.3037
Android (android.graphics.Color)	4293519103 (0xFFE9E6FF)
YUV	233.7470, 10.4777, -0.6551
Hunter-Lab	90.0762, 0.8232, -6.7598

Details

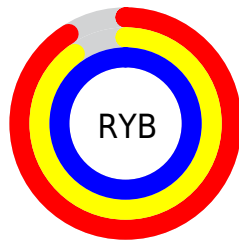
The Yxy color **81.1373, 0.2993, 0.3037** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.9193, 0.3254, 0.3534**, and the grayscale version is **82.0063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0843, 0.2962, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **64.4372, 0.2837, 0.2748**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

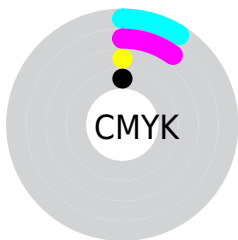
Distribution



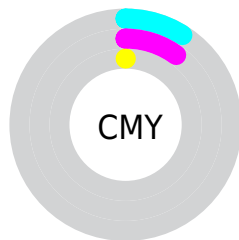
- Red (91%)
- Green (90%)
- Blue (100%)



- Red (91%)
- Yellow (90%)
- Blue (100%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1373, 0.2993, 0.3037 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 81.1373, 0.2993, 0.3037 by changing the saturation by 10% instead.

81.1373, 0.2993,
0.3037

81.1373, 0.2993,
0.3037

498.7574, 0.3054,
0.3150

60.6547, 0.2979,
0.3012

134.9635, 0.3014,
0.3076

43.9465, 0.2962,
0.2981

169.0760, 0.3022,
0.3091

30.6285, 0.2941,
0.2943

208.5004, 0.3029,
0.3104

20.3161, 0.2914,
0.2895

253.6213, 0.3036,
0.3116

12.6250, 0.2877,
0.2830

304.8231, 0.3041,
0.3126

7.1709, 0.2824,
0.2741

362.4901, 0.3046,

3.5692, 0.2745,

0.3135

0.2610

427.0067, 0.3050,
0.3143

■ 1.4356, 0.2612,
0.2397

■ 0.2428, 0.2170,
0.1428

■ 81.1373, 0.2993,
0.3037

■ 81.1373, 0.2993,
0.3037

■ 64.4372, 0.2837,
0.2748

100.0000, 0.3127,
0.3290

■ 50.1811, 0.2661,
0.2430

■ 38.2563, 0.2470,
0.2090

■ 28.5382, 0.2269,
0.1741

■ 20.8905, 0.2068,
0.1405

■ 15.1618, 0.1882,
0.1105

■ 11.1795, 0.1725,
0.0866

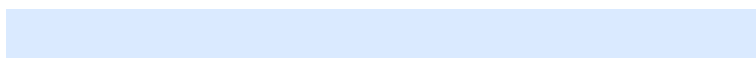
■ 8.7400, 0.1609,
0.0705

■ 7.5300, 0.1537,
0.0621

Harmonies

Analogous

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



81.1373, 0.2883, 0.3052



81.1373, 0.2993, 0.3037



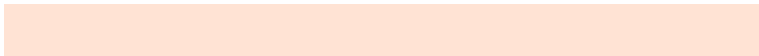
81.1373, 0.3142, 0.3087

Triad

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



81.1373, 0.2993, 0.3037



81.1373, 0.3426, 0.3440



81.1373, 0.2965, 0.3395

Complementary

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



81.1373, 0.2993, 0.3037



97.9193, 0.3254, 0.3534

Split Complementary

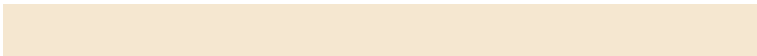
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1373, 0.3107, 0.3507



81.1373, 0.2993, 0.3037



81.1373, 0.3375, 0.3529

Square

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



81.1373, 0.2993, 0.3037



81.1373, 0.3394, 0.3315



81.1373, 0.3258, 0.3556



81.1373, 0.2867, 0.3256

Rectangle

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



81.1373, 0.2993, 0.3037



81.1373, 0.3243, 0.3149



81.1373, 0.3258, 0.3556



81.1373, 0.3009, 0.3437

Sweetspot

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



81.1399, 0.2993, 0.3037



93.9639, 0.3088, 0.3216



93.7144, 0.2975, 0.3261



19.7754, 0.3077, 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.



81.1399, 0.2993, 0.3037



77.2617, 0.2961, 0.2976



83.2965, 0.3074, 0.3043



17.4838, 0.2997, 0.3045



3.9584, 0.1544, 0.0624



0.4175, 0.1619, 0.0665

Inverse Universe

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



84.8747, 0.3158, 0.3077



81.7687, 0.3165, 0.3029



95.6844, 0.3175, 0.3540



18.2600, 0.3157, 0.3084



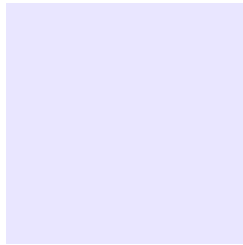
13.9338, 0.3543, 0.1726



1.3670, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 81.1373, 0.2993, 0.3037 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 81.1373, 0.2993, 0.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

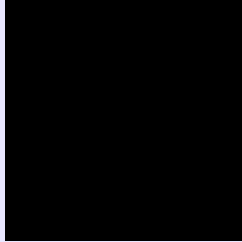
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1373, 0.2993, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 81.1373, 0.2993, 0.3037.



This preview shows how white text looks on a background with the Yxy color 81.1373, 0.2993, 0.3037.

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

81.1373, 0.2993, 0.3037

Protanopia

81.1948, 0.2973, 0.3046

Deuteranopia

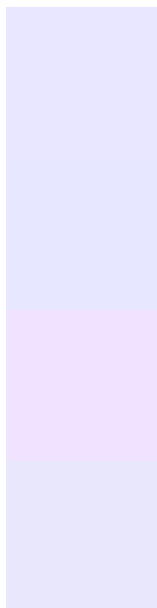
80.8458, 0.3066, 0.3002



Tritanopia

81.1472, 0.3022, 0.3106

Trichromacy



Original Color

81.1373, 0.2993, 0.3037

Protanomaly

81.3608, 0.2980, 0.3047

Deuteranomaly

80.6834, 0.3039, 0.3010

Tritanomaly

81.2727, 0.3010, 0.3087

Monochromacy



Original Color

81.1373, 0.2993, 0.3037

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1811, 0.3078, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1373, 0.2993, 0.3037 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.1373, 0.2993, 0.3037 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, 230, 255) }
```

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

```
.border{ border-color:rgb(233, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1373, 0.2993, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 230, 255) }
```

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

```
.background{ background-color: rgb(233,  
230, 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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