

Converting Colors

$Yxy(85.4856, 0.2821, 0.2770)$

Have a look what the booklet for
Yxy(85.4856, 0.2821, 0.2770)
contains.

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Color

Yxy(83.1600, 0.3006, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	EBE9FF
RGB	235, 233, 255
RGB Percent	92%, 91%, 100%
CMY	0.0783, 0.0863, 0.0000
CMYK	0.08, 0.09, 0.00, 0.00
HSL	246°, 100%, 96%
HSV	246°, 9%, 100%
XYZ	81.4529, 83.1600, 106.3548
YIQ	236.1060, -5.8700, 7.2660

Conversions

Conversions Part 2

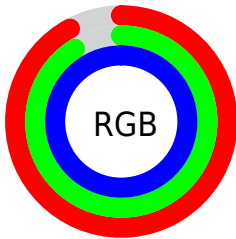
Format	Color
R _Y B	235, 233, 255
Decimal	15460863
CIE Lab	93.08, 4.73, -10.36
CIE LCh	93, 11.394, 294.554
Yxy	83.1600, 0.3006, 0.3069
Android (android.graphics.Color)	4293650943 (0xFFE9E9FF)
YUV	236.1060, 9.3147, -0.9700
Hunter-Lab	91.1921, -0.1498, -5.3138

Details

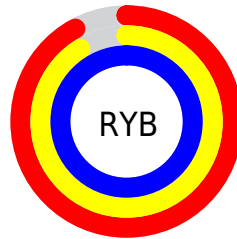
The Yxy color **83.1600, 0.3006, 0.3069** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.2722, 0.3243, 0.3503**, and the grayscale version is **83.9007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1052, 0.2979, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **66.0658, 0.2847, 0.2782**, and if you desaturate by 10%, it is **99.9992, 0.3127, 0.3290**.

Distribution



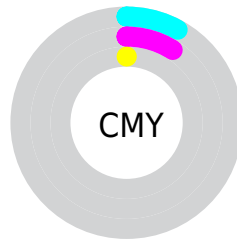
- Red (92%)
- Green (91%)
- Blue (100%)



- Red (92%)
- Yellow (91%)
- Blue (100%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1600, 0.3006, 0.3069 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 83.1600, 0.3006, 0.3069 by changing the saturation by 10% instead.


 83.1600, 0.3006,
0.3069

 83.1600, 0.3006,
0.3069


505.5196, 0.3061,
0.3168

 62.3222, 0.2994,
0.3047


137.7995, 0.3025,
0.3103

 45.2931, 0.2979,
0.3021


172.3700, 0.3032,
0.3116

 31.6883, 0.2960,
0.2988

212.2868, 0.3039,
0.3127

 21.1235, 0.2935,
0.2946

257.9343, 0.3044,
0.3137

 13.2143, 0.2903,
0.2890

309.6970, 0.3049,
0.3146

 7.5763, 0.2857,
0.2813

367.9592, 0.3054,

 3.8251, 0.2788,

0.3154

0.2699

433.1052, 0.3058,
0.3161

■ 1.5762, 0.2672,
0.2516

■ 0.3415, 0.2336,
0.1812

■ 83.1600, 0.3006,
0.3069

■ 83.1600, 0.3006,
0.3069

■ 66.0658, 0.2847,
0.2782

99.9992, 0.3127,
0.3290

■ 51.4583, 0.2668,
0.2465

■ 39.2248, 0.2473,
0.2124

■ 29.2395, 0.2267,
0.1773

■ 21.3651, 0.2063,
0.1431

■ 15.4493, 0.1874,
0.1124

■ 11.3190, 0.1715,
0.0877

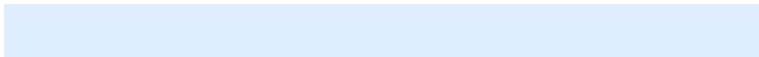
■ 8.7709, 0.1599,
0.0708

■ 7.5233, 0.1530,
0.0621

Harmonies

Analogous

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



83.1600, 0.2912, 0.3085



83.1600, 0.3006, 0.3069



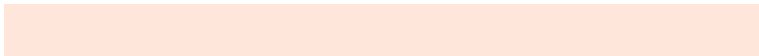
83.1600, 0.3134, 0.3110

Triad

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



83.1600, 0.3006, 0.3069



83.1600, 0.3387, 0.3417



83.1600, 0.2991, 0.3386

Complementary

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



83.1600, 0.3006, 0.3069



98.2722, 0.3243, 0.3503

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.



83.1600, 0.3116, 0.3480



83.1600, 0.3006, 0.3069



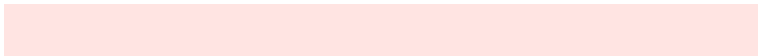
83.1600, 0.3346, 0.3496

Square

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



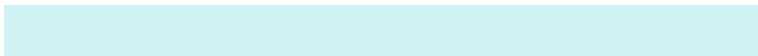
83.1600, 0.3006, 0.3069



83.1600, 0.3356, 0.3308



83.1600, 0.3246, 0.3520



83.1600, 0.2903, 0.3266

Rectangle

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



83.1600, 0.3006, 0.3069



83.1600, 0.3222, 0.3164



83.1600, 0.3246, 0.3520



83.1600, 0.3030, 0.3422

Sweetspot

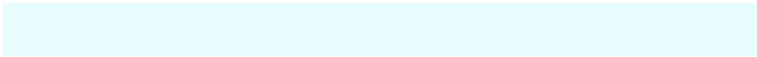
The Sweet Spot groups the original color and five complimentary colors.



83.1635, 0.3006, 0.3069



93.9219, 0.3087, 0.3216



94.8920, 0.2993, 0.3272



19.7642, 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.



83.1635, 0.3006, 0.3069



80.6653, 0.2985, 0.3031



85.0592, 0.3076, 0.3074



17.4575, 0.2993, 0.3045



3.8971, 0.1529, 0.0616



0.4051, 0.1590, 0.0650

Inverse Universe

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



86.6260, 0.3150, 0.3097



84.6457, 0.3154, 0.3066



96.3016, 0.3174, 0.3508



18.2699, 0.3152, 0.3077



14.1522, 0.3455, 0.1677



1.3860, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 83.1600, 0.3006, 0.3069 looks on a white background.

Color Contrast Check

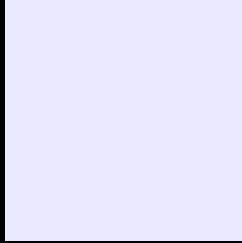
Large Text (above 18pt) WCAG AA × Fail

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 83.1600, 0.3006, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

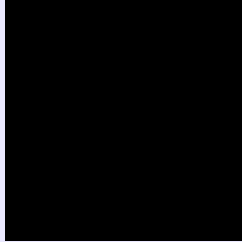
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1600, 0.3006, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 83.1600, 0.3006, 0.3069.

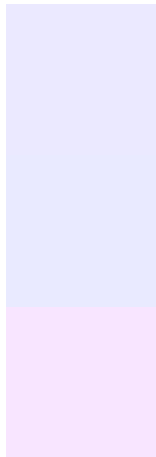


This preview shows how white text looks on a background with the Yxy color 83.1600, 0.3006, 0.3069.

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

83.1600, 0.3006, 0.3069

Protanopia

83.3893, 0.2993, 0.3078

Deuteranopia

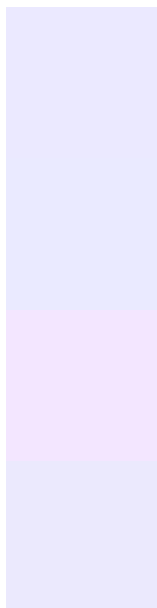
83.2151, 0.3092, 0.3035



Tritanopia

82.9683, 0.3024, 0.3098

Trichromacy



Original Color

83.1600, 0.3006, 0.3069

Protanomaly

83.5581, 0.2999, 0.3079

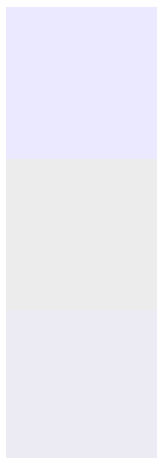
Deuteranomaly

82.8683, 0.3058, 0.3042

Tritanomaly

83.0318, 0.3018, 0.3089

Monochromacy



Original Color

83.1600, 0.3006, 0.3069

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7206, 0.3085, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1600, 0.3006, 0.3069 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(235, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 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(235, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.1600, 0.3006, 0.3069 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(235, 233, 255) }
```

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

```
.border{ border-color:rgb(235, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1600, 0.3006, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 255) }
```

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

```
.background{ background-color: rgb(235,  
233, 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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