

Converting Colors

$Yxy(83.7831, 0.2998, 0.3171)$

Have a look what the booklet for
Yxy(83.7831, 0.2998, 0.3171)
contains.

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Color

Yxy(83.9019, 0.2996, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	E4EDF9
RGB	228, 237, 249
RGB Percent	89%, 93%, 98%
CMY	0.1060, 0.0705, 0.0234
CMYK	0.08, 0.05, 0.00, 0.02
HSL	214°, 64%, 94%
HSV	214°, 8%, 98%
XYZ	79.3717, 83.9019, 101.6519
YIQ	235.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

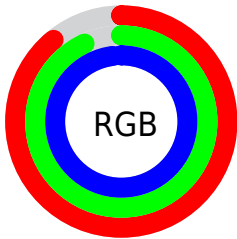
Format	Color
R _Y B	228, 234, 249
Decimal	15003129
CIE Lab	93.41, -0.74, -6.84
CIE LCh	93, 6.876, 263.826
Yxy	83.9019, 0.2996, 0.3167
Android (android.graphics.Color)	4293193209 (0xFFE4EDF9)
YUV	235.6770, 6.5682, -6.7327
Hunter-Lab	91.5980, -5.6223, -1.6792

Details

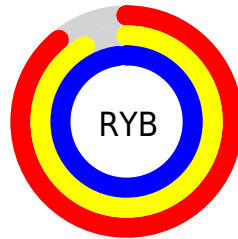
The Yxy color **83.9019, 0.2996, 0.3167** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0480, 0.3262, 0.3410**, and the grayscale version is **83.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7822, 0.2968, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **72.2216, 0.2833, 0.3005**, and if you desaturate by 10%, it is **96.8271, 0.3150, 0.3311**.

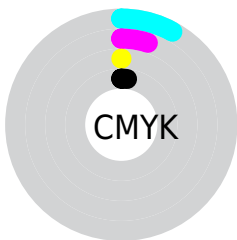
Distribution



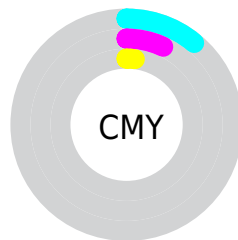
- Red (89%)
- Green (93%)
- Blue (98%)



- Red (89%)
- Yellow (92%)
- Blue (98%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9019, 0.2996, 0.3167 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 83.9019, 0.2996, 0.3167 by changing the saturation by 10% instead.

83.9019, 0.2996,
0.3167

83.9019, 0.2996,
0.3167

507.9874, 0.3055,
0.3223

62.9344, 0.2983,
0.3155

138.8379, 0.3016,
0.3186

45.7882, 0.2967,
0.3139

173.5753, 0.3024,
0.3193

32.0787, 0.2947,
0.3121

213.6715, 0.3031,
0.3200

21.4216, 0.2921,
0.3096

259.5108, 0.3037,
0.3206

13.4325, 0.2887,
0.3064

311.4776, 0.3042,
0.3211

7.7271, 0.2839,
0.3018

369.9564, 0.3047,

3.9208, 0.2767,

0.3215

435.3315, 0.3051,
0.3219

0.2950

1.6294, 0.2649,
0.2837

0.3773, 0.2120,
0.2348

83.9019, 0.2996,
0.3167

83.9019, 0.2996,
0.3167

72.2216, 0.2833,
0.3005

96.8271, 0.3150,
0.3311

61.7356, 0.2665,
0.2826

99.6210, 0.3162,
0.3347

52.4051, 0.2493,
0.2631

44.1851, 0.2324,
0.2421

■ 37.0272, 0.2162,
0.2200

■ 30.8783, 0.2014,
0.1975

■ 25.6800, 0.1887,
0.1753

■ 21.3655, 0.1785,
0.1542

■ 17.8470, 0.1710,
0.1348

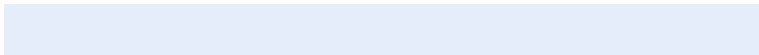
Harmonies

Analogous

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



83.9019, 0.2974, 0.3211



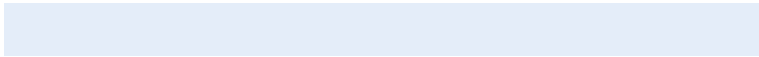
83.9019, 0.2996, 0.3167



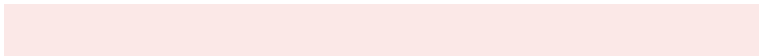
83.9019, 0.3053, 0.3156

Triad

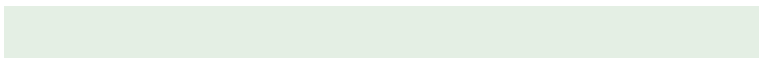
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9019, 0.2996, 0.3167



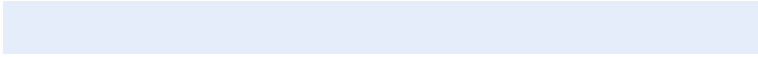
83.9019, 0.3264, 0.3300



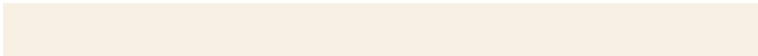
83.9019, 0.3123, 0.3404

Complementary

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



83.9019, 0.2996, 0.3167



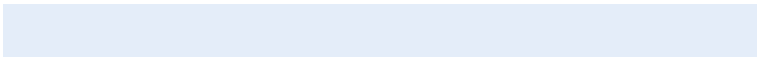
88.0480, 0.3262, 0.3410

Split Complementary

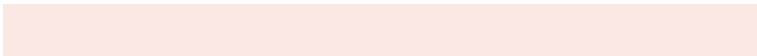
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9019, 0.3201, 0.3428



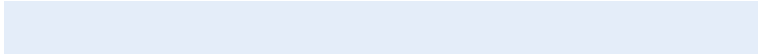
83.9019, 0.2996, 0.3167



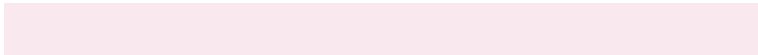
83.9019, 0.3283, 0.3366

Square

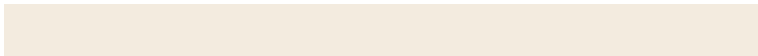
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9019, 0.2996, 0.3167



83.9019, 0.3207, 0.3232



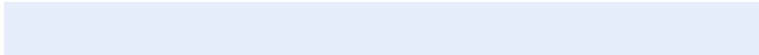
83.9019, 0.3260, 0.3413



83.9019, 0.3047, 0.3349

Rectangle

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



83.9019, 0.2996, 0.3167



83.9019, 0.3103, 0.3168



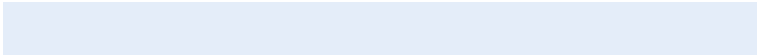
83.9019, 0.3260, 0.3413



83.9019, 0.3150, 0.3416

Sweetspot

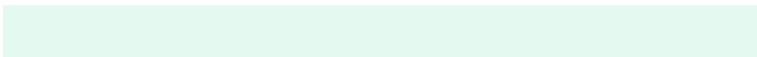
The Sweet Spot groups the original color and five complimentary colors.



83.9054, 0.2996, 0.3167



95.8259, 0.3081, 0.3248



90.5392, 0.3048, 0.3383



20.2763, 0.3069, 0.3236



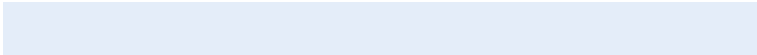
0.0000, 0.0000, 0.0000



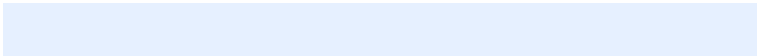
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9054, 0.2996, 0.3167



86.5507, 0.2971, 0.3143



79.0263, 0.3005, 0.3074



17.8696, 0.2979, 0.3151



9.5595, 0.1708, 0.1349



1.0912, 0.1772, 0.1580

Inverse Universe

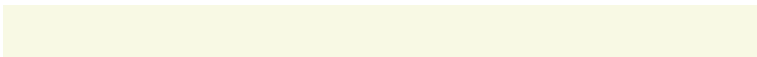
The Inverse Universe completely reimagines the original color for something new.



81.7261, 0.3214, 0.3200



83.8943, 0.3232, 0.3183



93.2524, 0.3244, 0.3499



17.3491, 0.3226, 0.3188



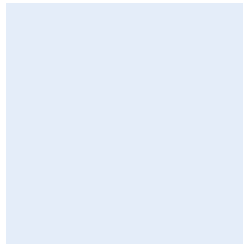
11.3759, 0.5259, 0.2671



1.0744, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 83.9019, 0.2996, 0.3167 looks on a white background.

Color Contrast Check

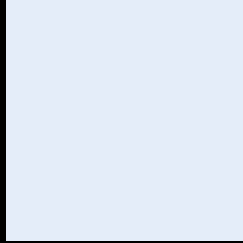
Large Text (above 18pt) WCAG AA × Fail

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 83.9019, 0.2996, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

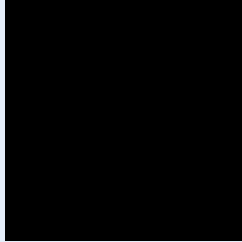
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

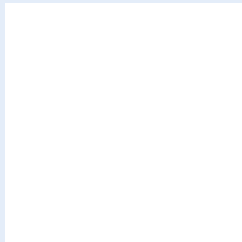
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9019, 0.2996, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 83.9019, 0.2996, 0.3167.



This preview shows how white text looks on a background with the Yxy color 83.9019, 0.2996, 0.3167.

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

83.9019, 0.2996, 0.3167

Protanopia

83.6275, 0.3061, 0.3149

Deuteranopia

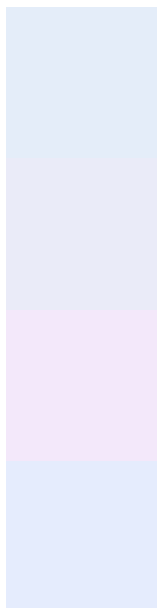
83.6991, 0.3144, 0.3075



Tritanopia

83.8689, 0.2968, 0.3097

Trichromacy



Original Color

83.9019, 0.2996, 0.3167

Protanomaly

83.6864, 0.3041, 0.3158

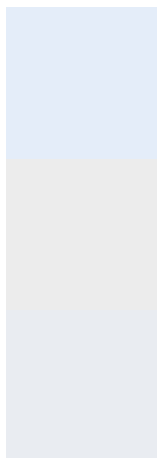
Deuteranomaly

83.6700, 0.3089, 0.3111

Tritanomaly

83.7408, 0.2979, 0.3117

Monochromacy



Original Color

83.9019, 0.2996, 0.3167

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.6654, 0.3077, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9019, 0.2996, 0.3167 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(228, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 249)  
}
```

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(228, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.9019, 0.2996, 0.3167 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(228, 237, 249) }
```

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

```
.border{ border-color:rgb(228, 237, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9019, 0.2996, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 249) }
```

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

```
.background{ background-color: rgb(228,  
237, 249) }
```

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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