

Converting Colors

$Yxy(83.6766, 0.2996, 0.3177)$

Have a look what the booklet for
Yxy(83.6766, 0.2996, 0.3177)
contains.

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Color

Yxy(83.6766, 0.2996, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDF8
RGB	227, 237, 248
RGB Percent	89%, 93%, 97%
CMY	0.1097, 0.0706, 0.0275
CMYK	0.08, 0.04, 0.00, 0.03
HSL	211°, 60%, 93%
HSV	211°, 8%, 97%
XYZ	78.9094, 83.6766, 100.7965
YIQ	235.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

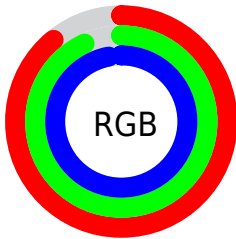
Format	Color
R _Y B	227, 234, 248
Decimal	14937592
CIE Lab	93.31, -1.23, -6.46
CIE LCh	93, 6.572, 259.188
Yxy	83.6766, 0.2996, 0.3177
Android (android.graphics.Color)	4293127672 (0xFFE3EDF8)
YUV	235.2640, 6.2788, -7.2475
Hunter-Lab	91.4749, -6.1009, -1.2994

Details

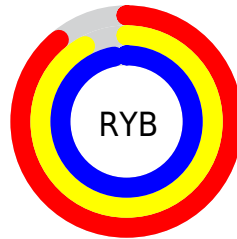
The Yxy color **83.6766, 0.2996, 0.3177** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6611, 0.3263, 0.3400**, and the grayscale version is **83.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6242, 0.2967, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **72.6767, 0.2835, 0.3029**, and if you desaturate by 10%, it is **95.8101, 0.3150, 0.3309**.

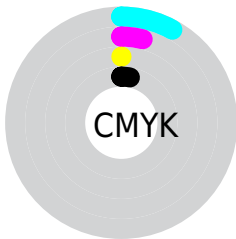
Distribution



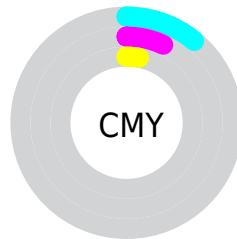
- Red (89%)
- Green (93%)
- Blue (97%)



- Red (89%)
- Yellow (92%)
- Blue (97%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6766, 0.2996, 0.3177 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 83.6766, 0.2996, 0.3177 by changing the saturation by 10% instead.

83.6766, 0.2996,
0.3177

83.6766, 0.2996,
0.3177

507.2387, 0.3055,
0.3228

62.7485, 0.2983,
0.3166

138.5227, 0.3016,
0.3195

45.6378, 0.2967,
0.3152

173.2095, 0.3024,
0.3201

31.9601, 0.2947,
0.3134

213.2512, 0.3031,
0.3207

21.3310, 0.2921,
0.3112

259.0323, 0.3037,
0.3213

13.3662, 0.2887,
0.3082

310.9373, 0.3042,
0.3217

7.6812, 0.2839,
0.3039

369.3504, 0.3047,

3.8916, 0.2767,

0.3221

0.2976

434.6560, 0.3051,
0.3225

■ 1.6131, 0.2649,
0.2870

■ 0.3664, 0.2073,
0.2387

■ 83.6766, 0.2996,
0.3177

■ 83.6766, 0.2996,
0.3177

■ 72.6767, 0.2835,
0.3029

■ 95.8101, 0.3150,
0.3309

■ 62.7635, 0.2669,
0.2865

■ 99.5572, 0.3168,
0.3357

■ 53.9024, 0.2502,
0.2686

■ 46.0522, 0.2338,
0.2494

■ 39.1690, 0.2183,
0.2292

■ 33.2046, 0.2041,
0.2086

■ 28.1055, 0.1920,
0.1880

■ 23.8102, 0.1823,
0.1681

■ 20.2369, 0.1751,
0.1495

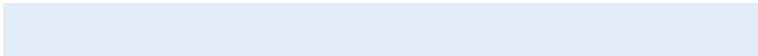
Harmonies

Analogous

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



83.6766, 0.2981, 0.3224



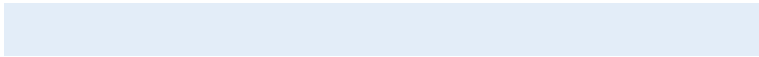
83.6766, 0.2996, 0.3177



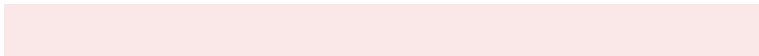
83.6766, 0.3046, 0.3161

Triad

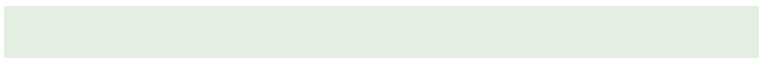
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6766, 0.2996, 0.3177



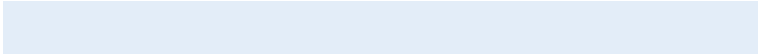
83.6766, 0.3251, 0.3289



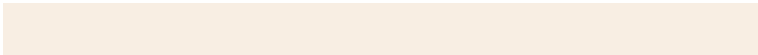
83.6766, 0.3135, 0.3405

Complementary

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



83.6766, 0.2996, 0.3177



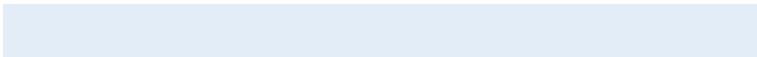
86.6611, 0.3263, 0.3400

Split Complementary

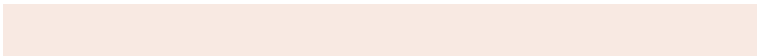
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6766, 0.3208, 0.3422



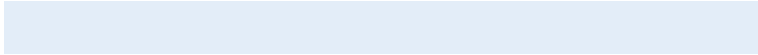
83.6766, 0.2996, 0.3177



83.6766, 0.3276, 0.3354

Square

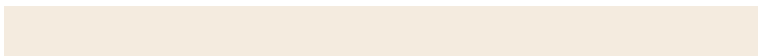
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6766, 0.2996, 0.3177



83.6766, 0.3193, 0.3225



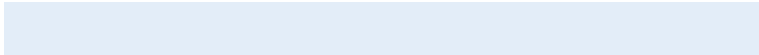
83.6766, 0.3260, 0.3403



83.6766, 0.3061, 0.3356

Rectangle

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



83.6766, 0.2996, 0.3177



83.6766, 0.3093, 0.3169



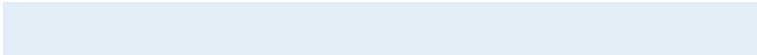
83.6766, 0.3260, 0.3403



83.6766, 0.3161, 0.3415

Sweetspot

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



83.6801, 0.2996, 0.3177



96.0461, 0.3081, 0.3251



89.6323, 0.3054, 0.3394



20.3356, 0.3069, 0.3241



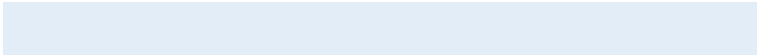
0.0000, 0.0000, 0.0000



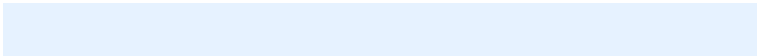
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6801, 0.2996, 0.3177



87.2469, 0.2971, 0.3155



78.1160, 0.2998, 0.3073



18.0055, 0.2980, 0.3162



10.9381, 0.1749, 0.1496



1.2238, 0.1811, 0.1718

Inverse Universe

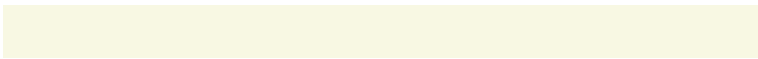
The Inverse Universe completely reimagines the original color for something new.



81.0187, 0.3208, 0.3190



83.9645, 0.3224, 0.3171



92.5731, 0.3251, 0.3498



17.3628, 0.3219, 0.3178



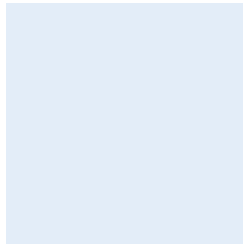
11.5151, 0.5065, 0.2564



1.0878, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 83.6766, 0.2996, 0.3177 looks on a white background.

Color Contrast Check

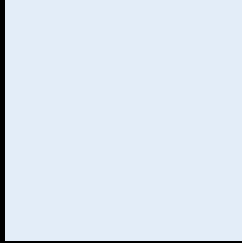
Large Text (above 18pt) WCAG AA × Fail

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 83.6766, 0.2996, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

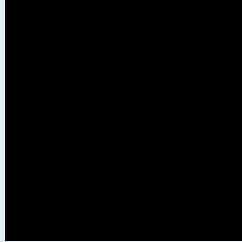
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

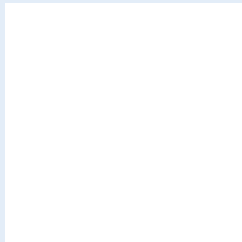
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6766, 0.2996, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 83.6766, 0.2996, 0.3177.

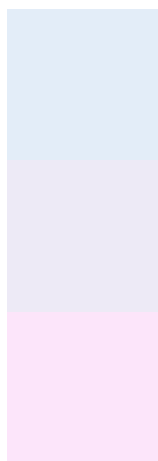


This preview shows how white text looks on a background with the Yxy color 83.6766, 0.2996, 0.3177.

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

83.6766, 0.2996, 0.3177

Protanopia

83.5040, 0.3073, 0.3169

Deuteranopia

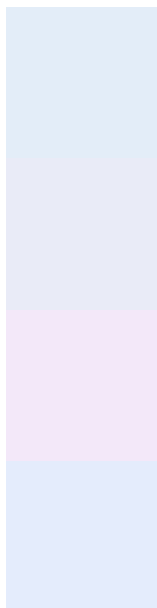
83.6362, 0.3150, 0.3085



Tritanopia

83.7049, 0.2961, 0.3097

Trichromacy



Original Color

83.6766, 0.2996, 0.3177

Protanomaly

83.4557, 0.3041, 0.3168

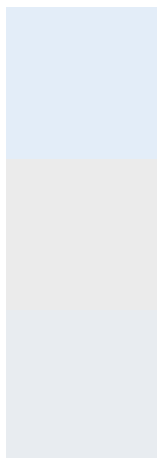
Deuteranomaly

83.6075, 0.3095, 0.3121

Tritanomaly

83.5132, 0.2979, 0.3127

Monochromacy



Original Color

83.6766, 0.2996, 0.3177

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4380, 0.3076, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6766, 0.2996, 0.3177 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(227, 237, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 248)  
}
```

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(227, 237, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 248) }
```

Border

The CSS property to change the border of an element to Yxy 83.6766, 0.2996, 0.3177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

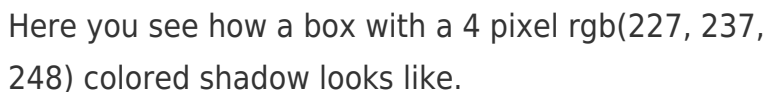
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 237, 248) }
```

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

```
.border{ border-color:rgb(227, 237, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 237, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 237, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 237, 248); box-shadow:4px 4px 4px 4px rgb(227, 237, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6766, 0.2996, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 248) }
```

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

```
.background{ background-color: rgb(227,  
237, 248) }
```

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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