

Converting Colors

$Y_{xy}(85.7331, 0.2983, 0.3137)$

Have a look what the booklet for
Yxy(85.7331, 0.2983, 0.3137)
contains.

Yxy(85.8777, 0.2986, 0.3139)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.8777, 0.2986, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	E7EFFE
RGB	231, 239, 254
RGB Percent	91%, 94%, 100%
CMY	0.0944, 0.0626, 0.0040
CMYK	0.09, 0.06, 0.00, 0.00
HSL	219°, 92%, 95%
HSV	219°, 9%, 100%
XYZ	81.6919, 85.8777, 106.0134
YIQ	238.3180, -9.5830, 2.9690

Conversions

Conversions Part 2

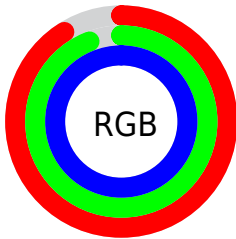
Format	Color
R _Y B	231, 237, 254
Decimal	15200254
CIE Lab	94.26, 0.13, -8.12
CIE LCh	94, 8.125, 270.926
Yxy	85.8777, 0.2986, 0.3139
Android (android.graphics.Color)	4293390334 (0xFFE7E7FE)
YUV	238.3180, 7.7312, -6.4179
Hunter-Lab	92.6702, -4.8192, -2.9578

Details

The Yxy color **85.8777, 0.2986, 0.3139** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.6734, 0.3271, 0.3437**, and the grayscale version is **85.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0122, 0.2955, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **72.7442, 0.2820, 0.2953**, and if you desaturate by 10%, it is **99.9341, 0.3133, 0.3300**.

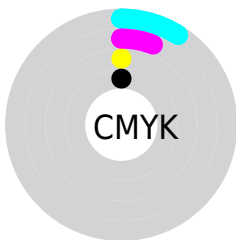
Distribution



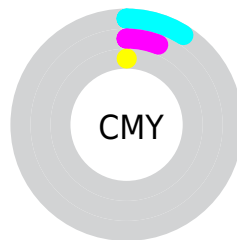
- Red (91%)
- Green (94%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8777, 0.2986, 0.3139 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 85.8777, 0.2986, 0.3139 by changing the saturation by 10% instead.

85.8777, 0.2986,
0.3139

85.8777, 0.2986,
0.3139

514.5279, 0.3049,
0.3207

64.5668, 0.2972,
0.3124

141.5988, 0.3008,
0.3162

47.1099, 0.2955,
0.3106

176.7779, 0.3016,
0.3171

33.1226, 0.2934,
0.3083

217.3484, 0.3023,
0.3179

22.2204, 0.2906,
0.3054

263.6949, 0.3030,
0.3186

14.0189, 0.2870,
0.3015

316.2017, 0.3036,
0.3192

8.1338, 0.2820,
0.2961

375.2532, 0.3041,

4.1807, 0.2745,

0.3198

0.2882

441.2338, 0.3045,
0.3202

■ 1.7751, 0.2623,
0.2752

■ 0.4716, 0.2247,
0.2347

■ 85.8777, 0.2986,
0.3139

■ 85.8777, 0.2986,
0.3139

■ 72.7442, 0.2820,
0.2953

99.9341, 0.3133,
0.3300

■ 61.0502, 0.2646,
0.2746

■ 50.7469, 0.2467,
0.2520

■ 41.7781, 0.2289,
0.2279

■ 34.0837, 0.2117,
0.2027

■ 27.5981, 0.1959,
0.1774

■ 22.2488, 0.1824,
0.1530

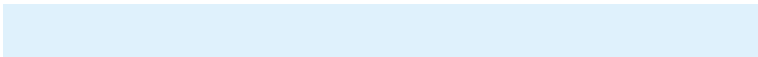
■ 17.9536, 0.1718,
0.1305

■ 14.6030, 0.1643,
0.1109

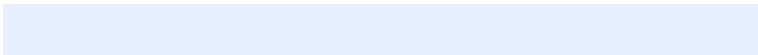
Harmonies

Analogous

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



85.8777, 0.2950, 0.3182



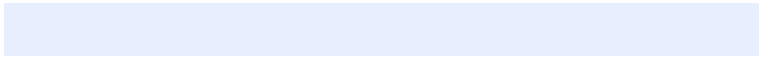
85.8777, 0.2986, 0.3139



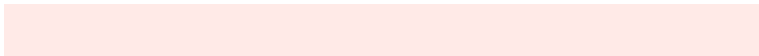
85.8777, 0.3060, 0.3136

Triad

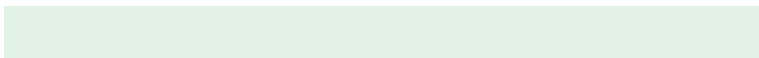
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8777, 0.2986, 0.3139



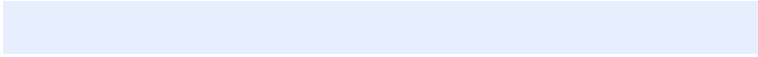
85.8777, 0.3297, 0.3321



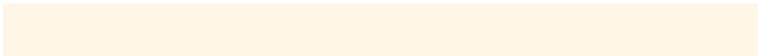
85.8777, 0.3100, 0.3412

Complementary

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



85.8777, 0.2986, 0.3139



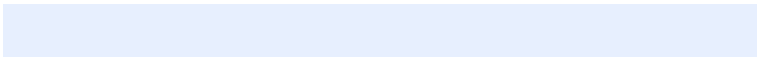
92.6734, 0.3271, 0.3437

Split Complementary

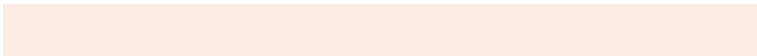
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8777, 0.3193, 0.3449



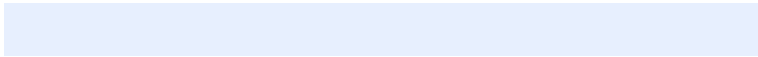
85.8777, 0.2986, 0.3139



85.8777, 0.3308, 0.3395

Square

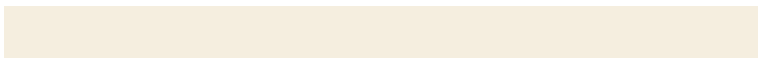
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8777, 0.2986, 0.3139



85.8777, 0.3240, 0.3240



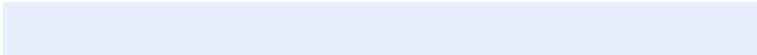
85.8777, 0.3269, 0.3443



85.8777, 0.3015, 0.3340

Rectangle

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



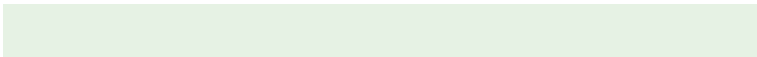
85.8777, 0.2986, 0.3139



85.8777, 0.3121, 0.3157



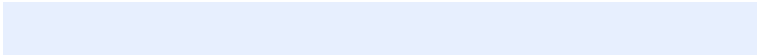
85.8777, 0.3269, 0.3443



85.8777, 0.3131, 0.3429

Sweetspot

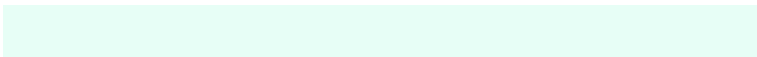
The Sweet Spot groups the original color and five complimentary colors.



85.8813, 0.2986, 0.3139



95.4516, 0.3081, 0.3242



94.4706, 0.3034, 0.3374



20.1754, 0.3069, 0.3229



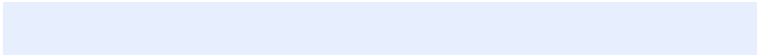
0.0000, 0.0000, 0.0000



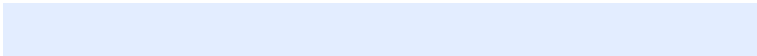
21.4041, 0.3127, 0.3290

Same Dimension

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



85.8813, 0.2986, 0.3139



83.9953, 0.2955, 0.3105



81.7648, 0.3006, 0.3057



18.4211, 0.2979, 0.3131



7.8057, 0.1645, 0.1122



0.9560, 0.1707, 0.1346

Inverse Universe

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



84.4163, 0.3233, 0.3211



82.2736, 0.3258, 0.3193



97.1244, 0.3243, 0.3515



18.0924, 0.3239, 0.3207



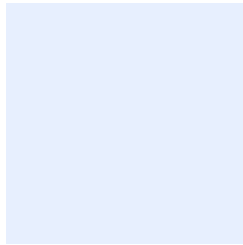
11.5160, 0.5579, 0.2847



1.1411, 0.5264, 0.2673

Previews

White Background



This preview shows how the Yxy color 85.8777, 0.2986, 0.3139 looks on a white background.

Color Contrast Check

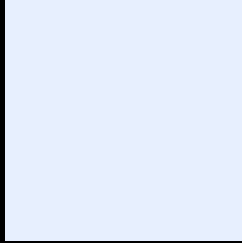
Large Text (above 18pt) WCAG AA × Fail

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 85.8777, 0.2986, 0.3139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

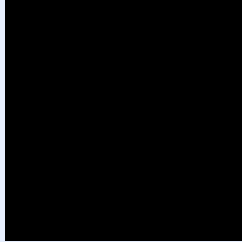
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

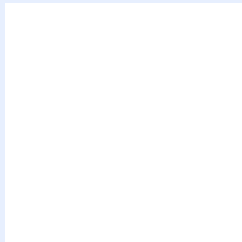
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8777, 0.2986, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 85.8777, 0.2986, 0.3139.



This preview shows how white text looks on a background with the Yxy color 85.8777, 0.2986, 0.3139.

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

85.8777, 0.2986, 0.3139

Protanopia

85.8374, 0.3037, 0.3130

Deuteranopia

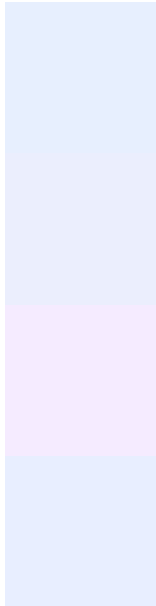
85.8159, 0.3124, 0.3067



Tritanopia

85.5249, 0.2987, 0.3119

Trichromacy



Original Color

85.8777, 0.2986, 0.3139

Protanomaly

85.9031, 0.3017, 0.3139

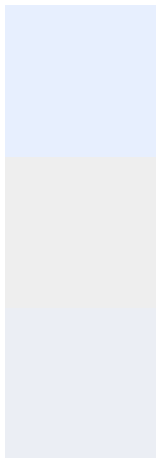
Deuteranomaly

86.0491, 0.3070, 0.3093

Tritanomaly

85.5249, 0.2987, 0.3119

Monochromacy



Original Color

85.8777, 0.2986, 0.3139

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3429, 0.3071, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8777, 0.2986, 0.3139 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(231, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 239, 254)  
}
```

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(231, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 254) }
```

Border

The CSS property to change the border of an element to Yxy 85.8777, 0.2986, 0.3139 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(231, 239, 254) }
```

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

```
.border{ border-color:rgb(231, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 239,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8777, 0.2986, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 239, 254) }
```

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

```
.background{ background-color: rgb(231,  
239, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor