

Converting Colors

$Yxy(86.1723, 0.2959, 0.3058)$

Have a look what the booklet for
Yxy(86.1723, 0.2959, 0.3058)
contains.

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Color

Yxy(85.6927, 0.2993, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	E9EEFF
RGB	233, 238, 255
RGB Percent	91%, 93%, 100%
CMY	0.0862, 0.0667, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	226°, 100%, 96%
HSV	226°, 9%, 100%
XYZ	82.2309, 85.6927, 106.8205
YIQ	238.4430, -8.4370, 4.2270

Conversions

Conversions Part 2

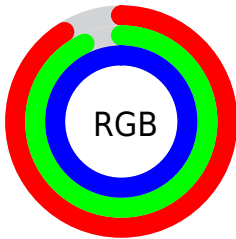
Format	Color
R _Y B	233, 237, 255
Decimal	15331071
CIE Lab	94.18, 1.52, -8.76
CIE LCh	94, 8.892, 279.817
Yxy	85.6927, 0.2993, 0.3119
Android (android.graphics.Color)	4293521151 (0xFFE9EEFF)
YUV	238.4430, 8.1626, -4.7735
Hunter-Lab	92.5704, -3.4353, -3.6178

Details

The Yxy color **85.6927, 0.2993, 0.3119** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.5170, 0.3261, 0.3455**, and the grayscale version is **85.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8802, 0.2963, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **70.8552, 0.2824, 0.2897**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

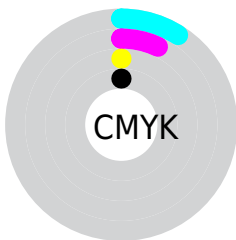
Distribution



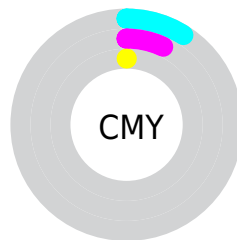
- Red (91%)
- Green (93%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6927, 0.2993, 0.3119 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 85.6927, 0.2993, 0.3119 by changing the saturation by 10% instead.

85.6927, 0.2993,
0.3119

85.6927, 0.2993,
0.3119

513.9174, 0.3053,
0.3196

64.4139, 0.2980,
0.3102

141.3406, 0.3014,
0.3145

46.9860, 0.2963,
0.3082

176.4784, 0.3022,
0.3155

33.0246, 0.2943,
0.3056

217.0048, 0.3029,
0.3164

22.1453, 0.2917,
0.3023

263.3040, 0.3035,
0.3172

13.9637, 0.2882,
0.2980

315.7605, 0.3040,
0.3179

8.0954, 0.2834,
0.2920

374.7586, 0.3045,

4.1561, 0.2762,

0.3185

0.2831

440.6828, 0.3049,
0.3191

■ 1.7612, 0.2645,
0.2688

■ 0.4628, 0.2310,
0.2242

■ 85.6927, 0.2993,
0.3119

■ 85.6927, 0.2993,
0.3119

■ 70.8552, 0.2824,
0.2897

100.0000, 0.3127,
0.3290

■ 57.8241, 0.2643,
0.2650

■ 46.5317, 0.2452,
0.2380

■ 36.9026, 0.2259,
0.2092

■ 28.8554, 0.2071,
0.1798

■ 22.3015, 0.1898,
0.1509

■ 17.1433, 0.1751,
0.1243

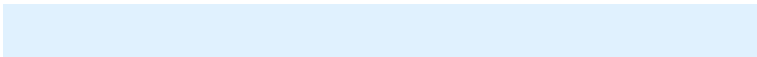
■ 13.2698, 0.1641,
0.1015

■ 10.5420, 0.1568,
0.0837

Harmonies

Analogous

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



85.6927, 0.2940, 0.3154



85.6927, 0.2993, 0.3119



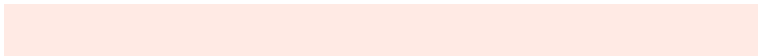
85.6927, 0.3083, 0.3129

Triad

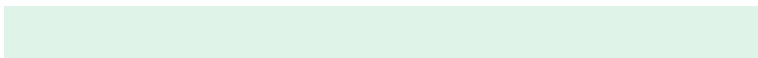
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6927, 0.2993, 0.3119



85.6927, 0.3323, 0.3349



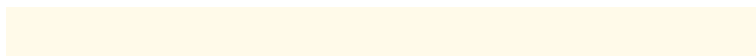
85.6927, 0.3067, 0.3403

Complementary

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



85.6927, 0.2993, 0.3119



95.5170, 0.3261, 0.3455

Split Complementary

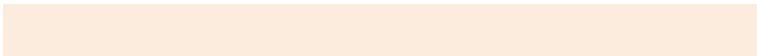
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6927, 0.3169, 0.3458



85.6927, 0.2993, 0.3119



85.6927, 0.3318, 0.3424

Square

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



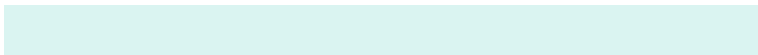
85.6927, 0.2993, 0.3119



85.6927, 0.3274, 0.3260



85.6927, 0.3261, 0.3465



85.6927, 0.2982, 0.3318

Rectangle

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



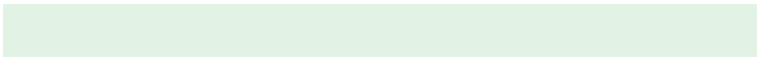
85.6927, 0.2993, 0.3119



85.6927, 0.3151, 0.3160



85.6927, 0.3261, 0.3465



85.6927, 0.3101, 0.3426

Sweetspot

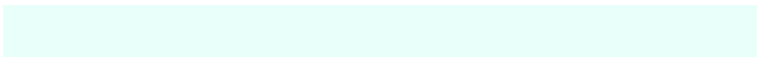
The Sweet Spot groups the original color and five complimentary colors.



85.6957, 0.2993, 0.3119



94.8636, 0.3082, 0.3233



95.7386, 0.3022, 0.3341



20.0171, 0.3069, 0.3217



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.



85.6957, 0.2993, 0.3119



83.5450, 0.2971, 0.3090



83.8300, 0.3031, 0.3071



18.0471, 0.2979, 0.3101



5.5332, 0.1567, 0.0841



0.6945, 0.1623, 0.1042

Inverse Universe

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



85.7149, 0.3245, 0.3241



83.5908, 0.3266, 0.3233



97.5682, 0.3218, 0.3505



18.0547, 0.3258, 0.3236



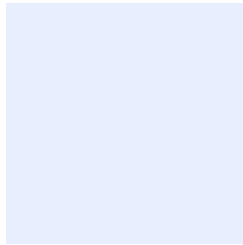
11.2865, 0.6004, 0.3081



1.1147, 0.5696, 0.2912

Previews

White Background



This preview shows how the Yxy color 85.6927, 0.2993, 0.3119 looks on a white background.

Color Contrast Check

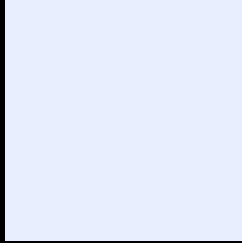
Large Text (above 18pt) WCAG AA × Fail

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 85.6927, 0.2993, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

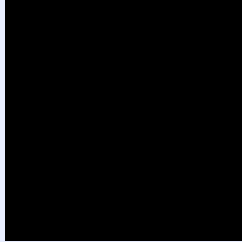
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

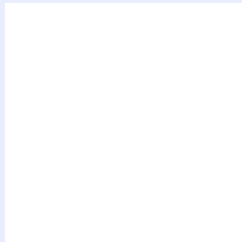
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6927, 0.2993, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 85.6927, 0.2993, 0.3119.



This preview shows how white text looks on a background with the Yxy color 85.6927, 0.2993, 0.3119.

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

85.6927, 0.2993, 0.3119

Protanopia

85.9013, 0.3031, 0.3120

Deuteranopia

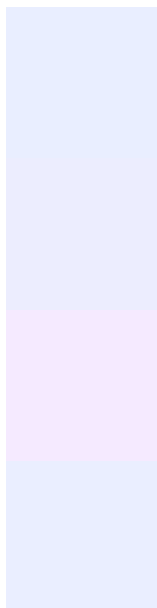
85.6287, 0.3118, 0.3067



Tritanopia

85.8615, 0.2999, 0.3119

Trichromacy



Original Color

85.6927, 0.2993, 0.3119

Protanomaly

85.5570, 0.3018, 0.3120

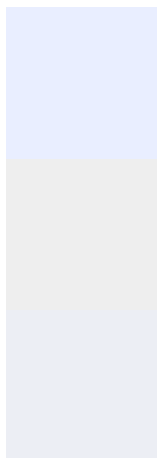
Deuteranomaly

85.4781, 0.3071, 0.3083

Tritanomaly

85.8615, 0.2999, 0.3119

Monochromacy



Original Color

85.6927, 0.2993, 0.3119

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5136, 0.3078, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6927, 0.2993, 0.3119 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.6927, 0.2993, 0.3119 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, 238, 255) }
```

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

```
.border{ border-color:rgb(233, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6927, 0.2993, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 238, 255) }
```

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

```
.background{ background-color: rgb(233,  
238, 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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