

Converting Colors

$Yxy(83.7789, 0.2939, 0.3107)$

Have a look what the booklet for
Yxy(83.7789, 0.2939, 0.3107)
contains.

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Color

Yxy(83.6357, 0.2936, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	E0EDFF
RGB	224, 237, 255
RGB Percent	88%, 93%, 100%
CMY	0.1218, 0.0705, 0.0000
CMYK	0.12, 0.07, 0.00, 0.00
HSL	215°, 100%, 94%
HSV	215°, 12%, 100%
XYZ	79.0581, 83.6357, 106.5776
YIQ	235.1650, -13.5260, 2.8420

Conversions

Conversions Part 2

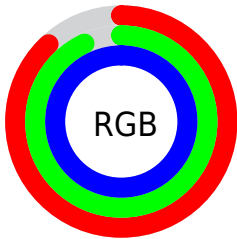
Format	Color
R _Y B	224, 233, 255
Decimal	14740991
CIE Lab	93.29, -0.86, -10.14
CIE LCh	93, 10.180, 265.148
Yxy	83.6357, 0.2936, 0.3106
Android (android.graphics.Color)	4292931071 (0xFFE0EDFF)
YUV	235.1650, 9.7787, -9.7917
Hunter-Lab	91.4526, -5.7339, -5.0790

Details

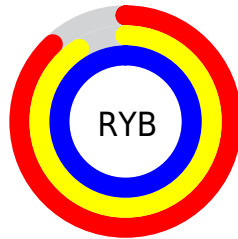
The Yxy color **83.6357, 0.2936, 0.3106** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0839, 0.3326, 0.3467**, and the grayscale version is **83.1365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5600, 0.2899, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **71.6720, 0.2770, 0.2935**, and if you desaturate by 10%, it is **96.9201, 0.3094, 0.3259**.

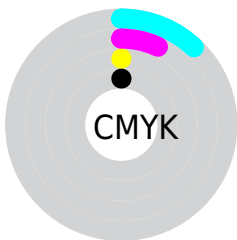
Distribution



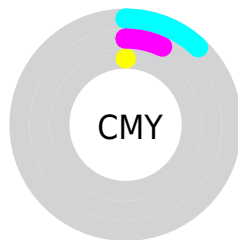
- Red (88%)
- Green (93%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- Blue (100%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6357, 0.2936, 0.3106 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 83.6357, 0.2936, 0.3106 by changing the saturation by 10% instead.

83.6357, 0.2936,
0.3106

83.6357, 0.2936,
0.3106

507.1027, 0.3022,
0.3189

62.7147, 0.2917,
0.3088

138.4655, 0.2965,
0.3134

45.6104, 0.2894,
0.3065

173.1430, 0.2977,
0.3146

31.9385, 0.2865,
0.3037

213.1749, 0.2987,
0.3155

21.3146, 0.2827,
0.3001

258.9455, 0.2996,
0.3164

13.3541, 0.2778,
0.2952

310.8391, 0.3003,
0.3171

7.6728, 0.2709,
0.2885

369.2403, 0.3010,

3.8863, 0.2607,

0.3178

0.2785

434.5334, 0.3016,
0.3184

■ 1.6102, 0.2440,
0.2620

■ 0.3644, 0.1805,
0.2021

■ 83.6357, 0.2936,
0.3106

■ 83.6357, 0.2936,
0.3106

■ 71.6720, 0.2770,
0.2935

■ 96.9201, 0.3094,
0.3259

■ 60.9746, 0.2599,
0.2746

99.9996, 0.3127,
0.3290

■ 51.5004, 0.2427,
0.2542

■ 43.1995, 0.2259,
0.2324

■ 36.0182, 0.2100,
0.2097

■ 29.8973, 0.1958,
0.1869

■ 24.7710, 0.1839,
0.1648

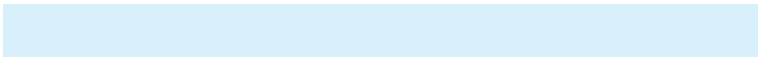
■ 20.5628, 0.1747,
0.1440

■ 17.8334, 0.1692,
0.1292

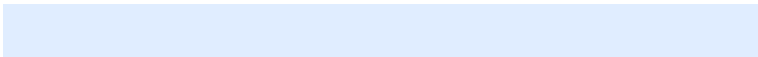
Harmonies

Analogous

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



83.6357, 0.2902, 0.3169



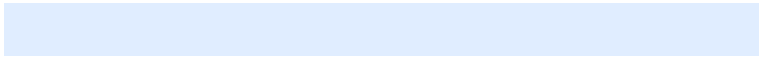
83.6357, 0.2936, 0.3106



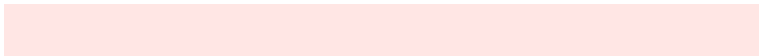
83.6357, 0.3021, 0.3093

Triad

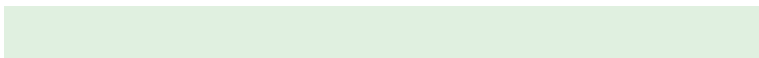
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6357, 0.2936, 0.3106



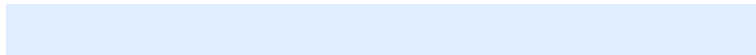
83.6357, 0.3332, 0.3308



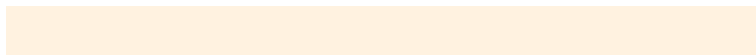
83.6357, 0.3115, 0.3458

Complementary

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



83.6357, 0.2936, 0.3106



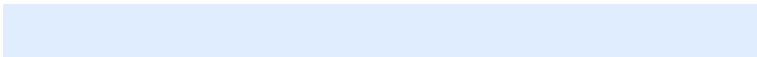
90.0839, 0.3326, 0.3467

Split Complementary

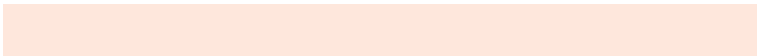
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6357, 0.3231, 0.3495



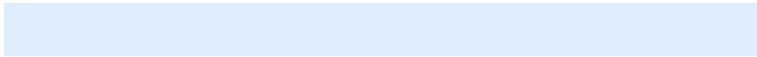
83.6357, 0.2936, 0.3106



83.6357, 0.3358, 0.3405

Square

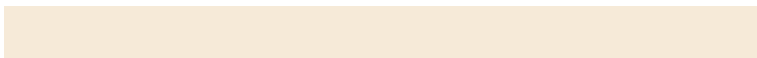
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6357, 0.2936, 0.3106



83.6357, 0.3251, 0.3208



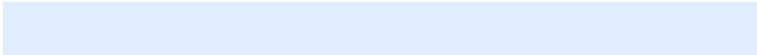
83.6357, 0.3321, 0.3475



83.6357, 0.3004, 0.3373

Rectangle

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



83.6357, 0.2936, 0.3106



83.6357, 0.3096, 0.3112



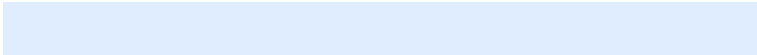
83.6357, 0.3321, 0.3475



83.6357, 0.3155, 0.3476

Sweetspot

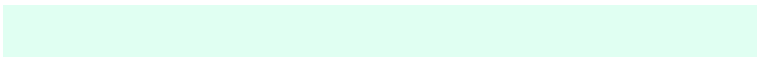
The Sweet Spot groups the original color and five complimentary colors.



83.6392, 0.2936, 0.3106



94.4091, 0.3066, 0.3232



93.7357, 0.3013, 0.3427



19.9875, 0.3054, 0.3221



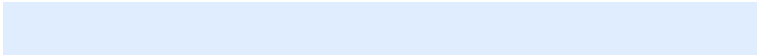
0.0000, 0.0000, 0.0000



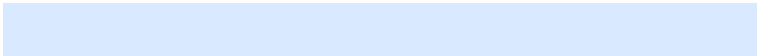
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6392, 0.2936, 0.3106



80.1382, 0.2890, 0.3060



76.6653, 0.2947, 0.2970



18.6360, 0.2979, 0.3149



9.5989, 0.1701, 0.1323



1.1452, 0.1762, 0.1544

Inverse Universe

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



80.6508, 0.3260, 0.3161



76.6327, 0.3295, 0.3130



97.7625, 0.3296, 0.3593



18.1141, 0.3228, 0.3190



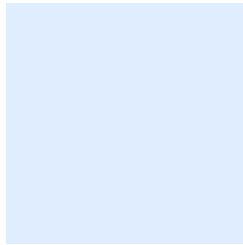
11.6970, 0.5296, 0.2691



1.1601, 0.5003, 0.2529

Previews

White Background



This preview shows how the Yxy color 83.6357, 0.2936, 0.3106 looks on a white background.

Color Contrast Check

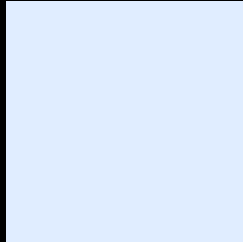
Large Text (above 18pt) WCAG AA × Fail

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 83.6357, 0.2936, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

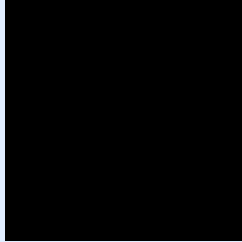
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

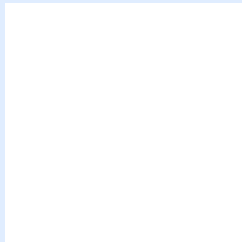
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6357, 0.2936, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 83.6357, 0.2936, 0.3106.



This preview shows how white text looks on a background with the Yxy color 83.6357, 0.2936, 0.3106.

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

83.6357, 0.2936, 0.3106

Protanopia

83.5997, 0.3018, 0.3099

Deuteranopia

83.2151, 0.3092, 0.3035



Tritanopia

83.6357, 0.2936, 0.3106

Trichromacy



Original Color

83.6357, 0.2936, 0.3106

Protanomaly

83.5613, 0.2986, 0.3098

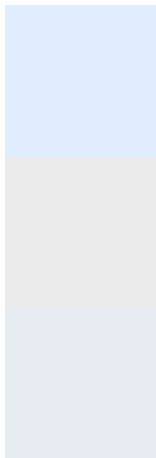
Deuteranomaly

83.2839, 0.3032, 0.3061

Tritanomaly

83.6357, 0.2936, 0.3106

Monochromacy



Original Color

83.6357, 0.2936, 0.3106

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3906, 0.3058, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6357, 0.2936, 0.3106 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(224, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 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(224, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.6357, 0.2936, 0.3106 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(224, 237, 255) }
```

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

```
.border{ border-color:rgb(224, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6357, 0.2936, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 255) }
```

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

```
.background{ background-color: rgb(224,  
237, 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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