

Converting Colors

$Yxy(83.0041, 0.2957, 0.3154)$

Have a look what the booklet for
Yxy(83.0041, 0.2957, 0.3154)
contains.

Yxy(83.1585, 0.2959, 0.3156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.1585, 0.2959, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	DFEDFA
RGB	223, 237, 250
RGB Percent	87%, 93%, 98%
CMY	0.1255, 0.0706, 0.0197
CMYK	0.11, 0.05, 0.00, 0.02
HSL	209°, 73%, 93%
HSV	209°, 11%, 98%
XYZ	77.9677, 83.1585, 102.3672
YIQ	234.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

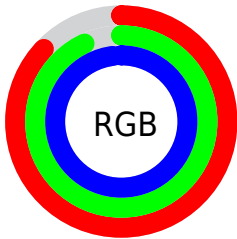
Format	Color
R _Y B	223, 232, 250
Decimal	14675450
CIE Lab	93.08, -2.14, -7.85
CIE LCh	93, 8.138, 254.788
Yxy	83.1585, 0.2959, 0.3156
Android (android.graphics.Color)	4292865530 (0xFFDFEDFA)
YUV	234.2960, 7.7421, -9.9066
Hunter-Lab	91.1913, -6.9689, -2.7223

Details

The Yxy color **83.1585, 0.2959, 0.3156** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6227, 0.3305, 0.3420**, and the grayscale version is **82.4639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2676, 0.2920, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **72.7516, 0.2798, 0.3017**, and if you desaturate by 10%, it is **94.6251, 0.3115, 0.3281**.

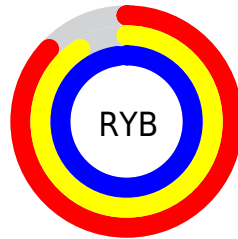
Distribution



Red (87%)

Green (93%)

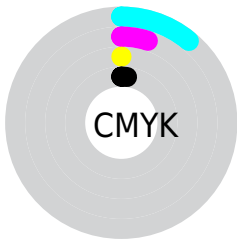
Blue (98%)



Red (87%)

Yellow (91%)

Blue (98%)

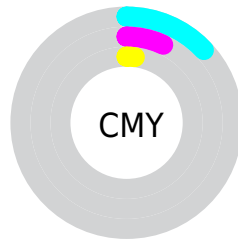


Cyan (11%)

Magenta (5%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (7%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1585, 0.2959, 0.3156 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 83.1585, 0.2959, 0.3156 by changing the saturation by 10% instead.

83.1585, 0.2959,
0.3156

83.1585, 0.2959,
0.3156

505.5146, 0.3035,
0.3217

62.3209, 0.2942,
0.3142

137.7974, 0.2985,
0.3177

45.2921, 0.2922,
0.3126

172.3676, 0.2995,
0.3185

31.6875, 0.2896,
0.3105

212.2840, 0.3004,
0.3192

21.1229, 0.2863,
0.3078

257.9311, 0.3012,
0.3198

13.2139, 0.2819,
0.3042

309.6934, 0.3018,
0.3204

7.5760, 0.2758,
0.2991

367.9551, 0.3024,

3.8249, 0.2667,

0.3209

0.2915

433.1007, 0.3030,
0.3213

■ 1.5761, 0.2516,
0.2788

■ 0.3414, 0.1775,
0.2225

■ 83.1585, 0.2959,
0.3156

■ 83.1585, 0.2959,
0.3156

■ 72.7516, 0.2798,
0.3017

■ 94.6251, 0.3115,
0.3281

■ 63.3593, 0.2634,
0.2864

■ 99.6809, 0.3156,
0.3338

■ 54.9481, 0.2472,
0.2698

■ 47.4788, 0.2315,
0.2520

■ 40.9085, 0.2168,
0.2335

■ 35.1903, 0.2038,
0.2145

■ 30.2717, 0.1928,
0.1955

■ 26.0911, 0.1841,
0.1772

■ 22.8110, 0.1781,
0.1612

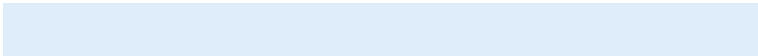
Harmonies

Analogous

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



83.1585, 0.2947, 0.3218



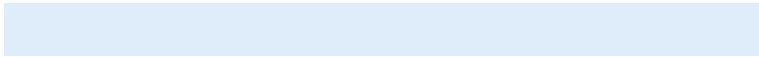
83.1585, 0.2959, 0.3156



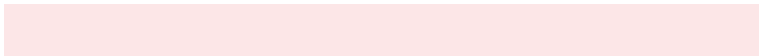
83.1585, 0.3015, 0.3130

Triad

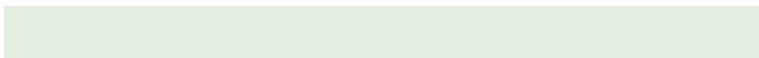
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1585, 0.2959, 0.3156



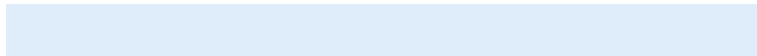
83.1585, 0.3273, 0.3276



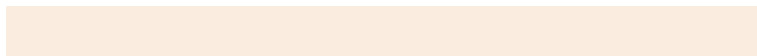
83.1585, 0.3151, 0.3439

Complementary

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



83.1585, 0.2959, 0.3156



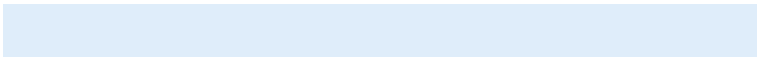
85.6227, 0.3305, 0.3420

Split Complementary

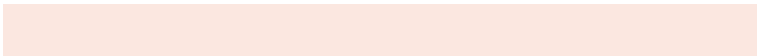
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1585, 0.3239, 0.3453



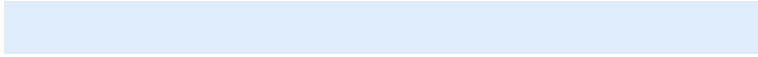
83.1585, 0.2959, 0.3156



83.1585, 0.3310, 0.3358

Square

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



83.1585, 0.2959, 0.3156



83.1585, 0.3196, 0.3200



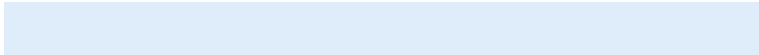
83.1585, 0.3298, 0.3423



83.1585, 0.3057, 0.3383

Rectangle

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



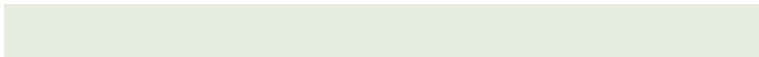
83.1585, 0.2959, 0.3156



83.1585, 0.3071, 0.3137



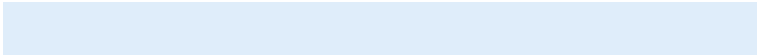
83.1585, 0.3298, 0.3423



83.1585, 0.3182, 0.3449

Sweetspot

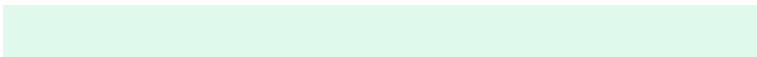
The Sweet Spot groups the original color and five complimentary colors.



83.1620, 0.2959, 0.3156



96.2535, 0.3081, 0.3254



90.0794, 0.3042, 0.3438



20.3916, 0.3069, 0.3245



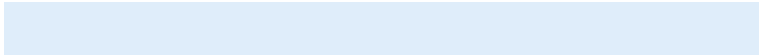
0.0000, 0.0000, 0.0000



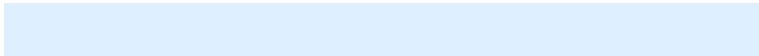
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1620, 0.2959, 0.3156



84.4951, 0.2924, 0.3126



75.8457, 0.2957, 0.3018



18.1340, 0.2980, 0.3173



12.3918, 0.1789, 0.1640



1.3601, 0.1847, 0.1850

Inverse Universe

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



79.2103, 0.3225, 0.3150



79.6586, 0.3248, 0.3120



93.4497, 0.3290, 0.3548



17.3757, 0.3212, 0.3167



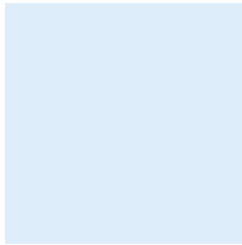
11.6619, 0.4881, 0.2462



1.1015, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 83.1585, 0.2959, 0.3156 looks on a white background.

Color Contrast Check

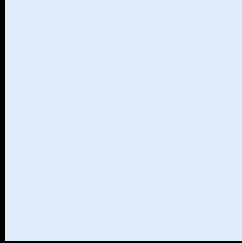
Large Text (above 18pt) WCAG AA × Fail

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 83.1585, 0.2959, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

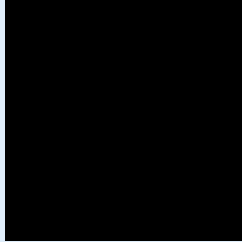
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

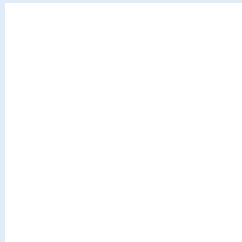
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1585, 0.2959, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 83.1585, 0.2959, 0.3156.

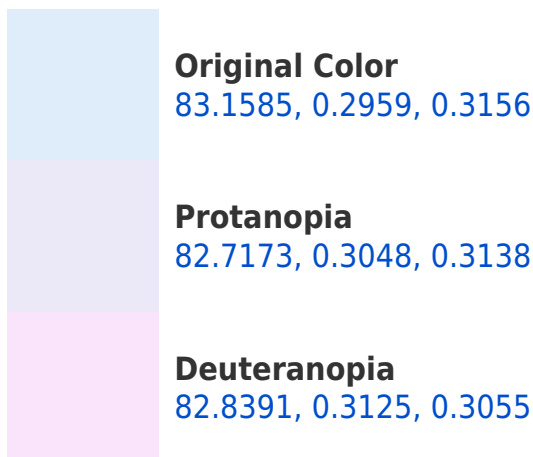


This preview shows how white text looks on a background with the Yxy color 83.1585, 0.2959, 0.3156.

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

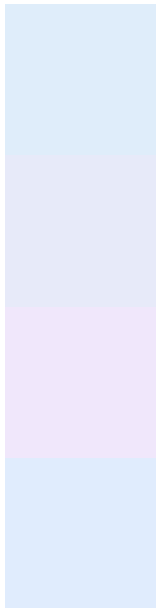




Tritanopia

83.0582, 0.2936, 0.3095

Trichromacy



Original Color

83.1585, 0.2959, 0.3156

Protanomaly

82.6741, 0.3016, 0.3137

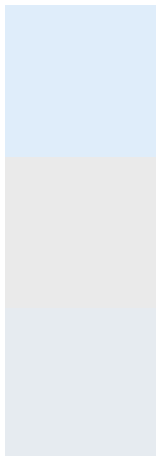
Deuteranomaly

82.6421, 0.3063, 0.3090

Tritanomaly

82.9300, 0.2948, 0.3115

Monochromacy



Original Color

83.1585, 0.2959, 0.3156

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5309, 0.3063, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1585, 0.2959, 0.3156 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(223, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 237, 250)  
}
```

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(223, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 250) }
```

Border

The CSS property to change the border of an element to Yxy 83.1585, 0.2959, 0.3156 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(223, 237, 250) }
```

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

```
.border{ border-color:rgb(223, 237, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 237,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1585, 0.2959, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 250) }
```

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

```
.background{ background-color: rgb(223,  
237, 250) }
```

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