

Converting Colors

$Yxy(83.7324, 0.2957, 0.3191)$

Have a look what the booklet for
Yxy(83.7324, 0.2957, 0.3191)
contains.

Yxy(83.8825, 0.2958, 0.3197)	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(83.8825, 0.2958, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	DDEFF8
RGB	221, 239, 248
RGB Percent	87%, 94%, 97%
CMY	0.1336, 0.0626, 0.0276
CMYK	0.11, 0.04, 0.00, 0.03
HSL	200°, 66%, 92%
HSV	200°, 11%, 97%
XYZ	77.6116, 83.8825, 100.8846
YIQ	234.6440, -13.6170, -1.0170

Conversions

Conversions Part 2

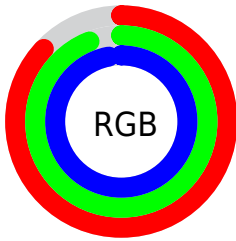
Format	Color
R _Y B	221, 232, 248
Decimal	14544888
CIE Lab	93.40, -4.21, -6.36
CIE LCh	93, 7.625, 236.493
Yxy	83.8825, 0.2958, 0.3197
Android (android.graphics.Color)	4292734968 (0xFFDDEFF8)
YUV	234.6440, 6.5845, -11.9658
Hunter-Lab	91.5874, -9.0161, -1.1975

Details

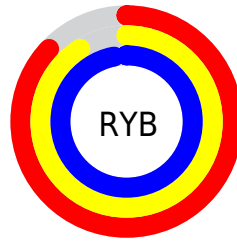
The Yxy color **83.8825, 0.2958, 0.3197** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.7026, 0.3311, 0.3381**, and the grayscale version is **82.7444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7797, 0.2920, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **75.5789, 0.2802, 0.3102**, and if you desaturate by 10%, it is **92.9863, 0.3113, 0.3283**.

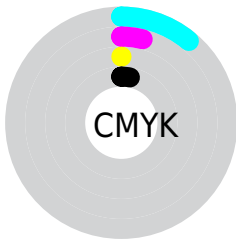
Distribution



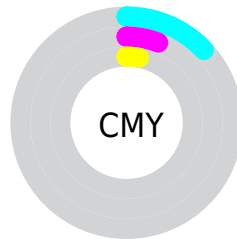
- Red (87%)
- Green (94%)
- Blue (97%)



- Red (87%)
- Yellow (91%)
- Blue (97%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8825, 0.2958, 0.3197 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 83.8825, 0.2958, 0.3197 by changing the saturation by 10% instead.

83.8825, 0.2958,
0.3197

83.8825, 0.2958,
0.3197

507.9230, 0.3034,
0.3239

62.9184, 0.2941,
0.3187

138.8108, 0.2984,
0.3212

45.7752, 0.2921,
0.3176

173.5438, 0.2994,
0.3217

32.0685, 0.2895,
0.3161

213.6353, 0.3003,
0.3222

21.4138, 0.2862,
0.3142

259.4696, 0.3011,
0.3227

13.4268, 0.2818,
0.3116

311.4311, 0.3018,
0.3230

7.7231, 0.2757,
0.3080

369.9042, 0.3024,

3.9183, 0.2667,

0.3234

435.2734, 0.3029,
0.3237

0.3025

1.6280, 0.2518,
0.2932

0.3763, 0.1716,
0.2533

83.8825, 0.2958,
0.3197

83.8825, 0.2958,
0.3197

75.5789, 0.2802,
0.3102

92.9863, 0.3113,
0.3283

68.0369, 0.2649,
0.2999

99.5557, 0.3168,
0.3357

61.2303, 0.2501,
0.2887

55.1268, 0.2363,
0.2769

■ 49.6913, 0.2238,
0.2644

■ 44.8846, 0.2130,
0.2517

■ 40.6625, 0.2042,
0.2389

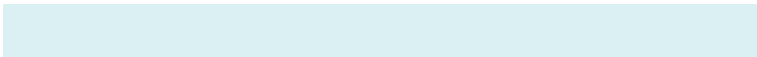
■ 36.9724, 0.1975,
0.2262

■ 34.0026, 0.1930,
0.2148

Harmonies

Analogous

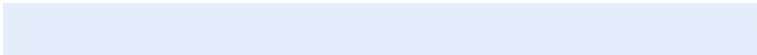
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8825, 0.2975, 0.3269



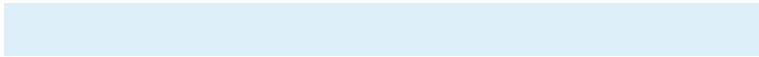
83.8825, 0.2958, 0.3197



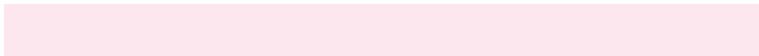
83.8825, 0.2986, 0.3151

Triad

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



83.8825, 0.2958, 0.3197



83.8825, 0.3223, 0.3232



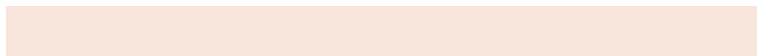
83.8825, 0.3202, 0.3442

Complementary

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



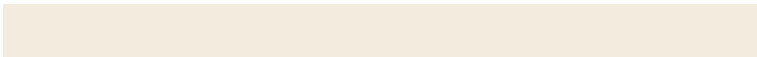
83.8825, 0.2958, 0.3197



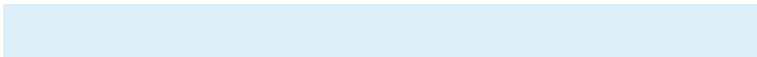
81.7026, 0.3311, 0.3381

Split Complementary

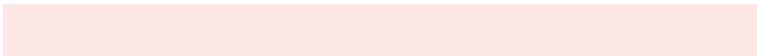
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8825, 0.3270, 0.3430



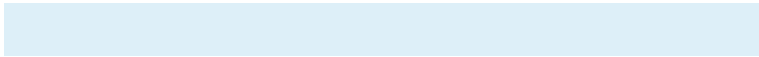
83.8825, 0.2958, 0.3197



83.8825, 0.3282, 0.3308

Square

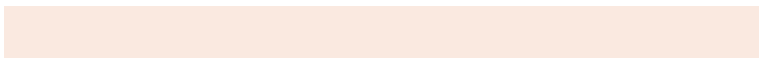
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



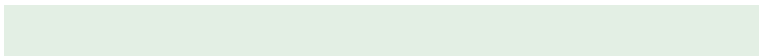
83.8825, 0.2958, 0.3197



83.8825, 0.3138, 0.3172



83.8825, 0.3299, 0.3380



83.8825, 0.3114, 0.3413

Rectangle

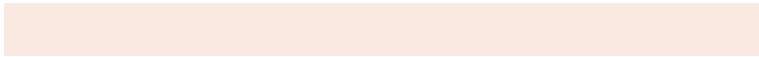
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8825, 0.2958, 0.3197



83.8825, 0.3026, 0.3141



83.8825, 0.3299, 0.3380



83.8825, 0.3228, 0.3443

Sweetspot

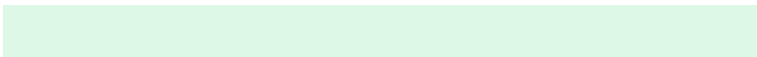
The Sweet Spot groups the original color and five complimentary colors.



83.8860, 0.2958, 0.3197



96.9725, 0.3081, 0.3265



88.1670, 0.3064, 0.3483



20.5858, 0.3068, 0.3259



0.0000, 0.0000, 0.0000



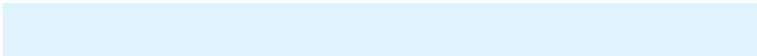
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8860, 0.2958, 0.3197



87.4422, 0.2925, 0.3178



76.4762, 0.2956, 0.3059



18.5834, 0.2980, 0.3210



18.6405, 0.1936, 0.2168



1.9207, 0.1977, 0.2318

Inverse Universe

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



77.8676, 0.3199, 0.3109



79.9561, 0.3214, 0.3072



89.2810, 0.3296, 0.3511



17.4211, 0.3189, 0.3133



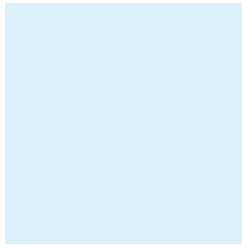
12.2927, 0.4267, 0.2124



1.1581, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 83.8825, 0.2958, 0.3197 looks on a white background.

Color Contrast Check

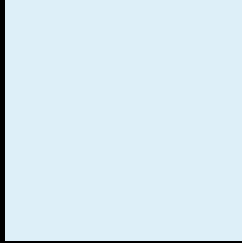
Large Text (above 18pt) WCAG AA × Fail

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 83.8825, 0.2958, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

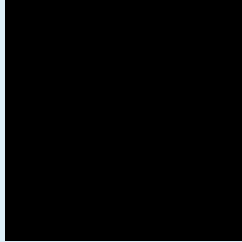
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

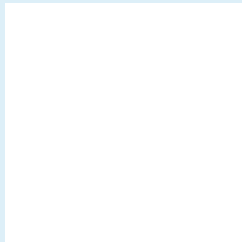
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8825, 0.2958, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 83.8825, 0.2958, 0.3197.



This preview shows how white text looks on a background with the Yxy color 83.8825, 0.2958, 0.3197.

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
Protanopia
Deuteranopia

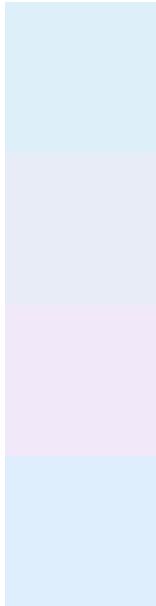
83.8825, 0.2958, 0.3197
83.4427, 0.3079, 0.3179
83.6362, 0.3150, 0.3085



Tritanopia

84.2164, 0.2937, 0.3116

Trichromacy



Original Color

83.8825, 0.2958, 0.3197

Protanomaly

83.6337, 0.3033, 0.3188

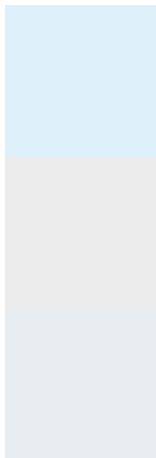
Deuteranomaly

83.8182, 0.3081, 0.3130

Tritanomaly

83.8653, 0.2948, 0.3146

Monochromacy



Original Color

83.8825, 0.2958, 0.3197

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1052, 0.3063, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8825, 0.2958, 0.3197 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(221, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(221, 239, 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(221, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 83.8825, 0.2958, 0.3197 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(221, 239, 248) }
```

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

```
.border{ border-color:rgb(221, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 239, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 239, 248); box-shadow:4px 4px 4px 4px rgb(221, 239, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8825, 0.2958, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 239, 248) }
```

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

```
.background{ background-color: rgb(221,  
239, 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](#).

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