

Converting Colors

$Yxy(83.8636, 0.2986, 0.3314)$

Have a look what the booklet for
Yxy(83.8636, 0.2986, 0.3314)
contains.

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Color

Yxy(83.8943, 0.2985, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D9F1EF
RGB	217, 241, 239
RGB Percent	85%, 95%, 94%
CMY	0.1493, 0.0548, 0.0628
CMYK	0.10, 0.00, 0.01, 0.05
HSL	175°, 46%, 90%
HSV	175°, 10%, 95%
XYZ	75.6341, 83.8943, 93.8522
YIQ	233.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

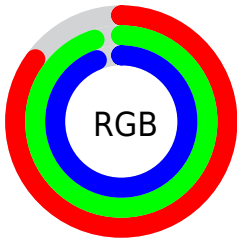
Format	Color
R _Y B	217, 230, 241
Decimal	14283247
CIE Lab	93.40, -8.24, -1.71
CIE LCh	93, 8.411, 191.725
Yxy	83.8943, 0.2985, 0.3311
Android (android.graphics.Color)	4292473327 (0xFFD9F1EF)
YUV	233.5960, 2.6642, -14.5547
Hunter-Lab	91.5938, -12.8919, 3.3638

Details

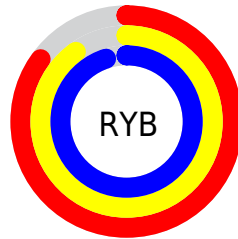
The Yxy color **83.8943, 0.2985, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4124, 0.3289, 0.3269**, and the grayscale version is **81.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7982, 0.2954, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.3513, 0.2850, 0.3334**, and if you desaturate by 10%, it is **87.9850, 0.3127, 0.3290**.

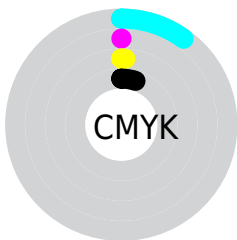
Distribution



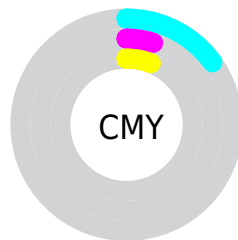
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8943, 0.2985, 0.3311 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 83.8943, 0.2985, 0.3311 by changing the saturation by 10% instead.

83.8943, 0.2985,
0.3311

83.8943, 0.2985,
0.3311

507.9622, 0.3049,
0.3302

62.9282, 0.2971,
0.3313

138.8273, 0.3007,
0.3308

45.7831, 0.2953,
0.3315

173.5630, 0.3015,
0.3307

32.0747, 0.2932,
0.3318

213.6573, 0.3023,
0.3306

21.4186, 0.2904,
0.3322

259.4946, 0.3029,
0.3305

13.4303, 0.2867,
0.3327

311.4594, 0.3035,
0.3304

7.7255, 0.2815,
0.3333

369.9360, 0.3040,

3.9198, 0.2737,

0.3303

435.3088, 0.3045,
0.3302

0.3342

1.6288, 0.2608,
0.3356

0.3769, 0.1478,
0.3542

83.8943, 0.2985,
0.3311

83.8943, 0.2985,
0.3311

80.3513, 0.2850,
0.3334

87.9850, 0.3127,
0.3290

77.3222, 0.2726,
0.3359


90.6599, 0.3207,
0.3270


74.7855, 0.2615,
0.3385


90.7842, 0.3194,
0.3251


72.7141, 0.2519,
0.3413

90.9098, 0.3181,
0.3231


 71.0784, 0.2442,
0.3442

 91.0369, 0.3169,
0.3211


 69.8452, 0.2384,
0.3471


 91.1653, 0.3156,
0.3192

 68.9768, 0.2346,
0.3500

 91.2951, 0.3144,
0.3172

 68.4279, 0.2326,
0.3529

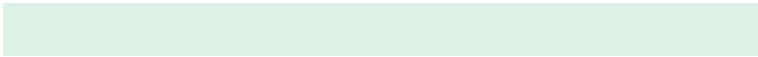
 91.4047, 0.3133,
0.3156

 68.1230, 0.2322,
0.3557

Harmonies

Analogous

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



83.8943, 0.3064, 0.3394



83.8943, 0.2985, 0.3311



83.8943, 0.2944, 0.3224

Triad

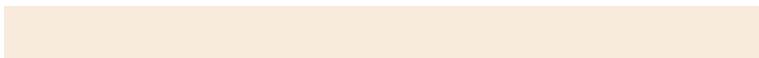
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8943, 0.2985, 0.3311



83.8943, 0.3091, 0.3139



83.8943, 0.3307, 0.3421

Complementary

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



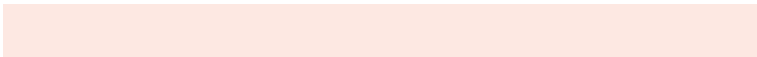
83.8943, 0.2985, 0.3311



73.4124, 0.3289, 0.3269

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.



83.8943, 0.3314, 0.3352



83.8943, 0.2985, 0.3311



83.8943, 0.3189, 0.3190

Square

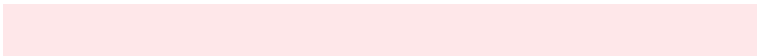
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8943, 0.2985, 0.3311



83.8943, 0.3004, 0.3126



83.8943, 0.3271, 0.3267



83.8943, 0.3250, 0.3457

Rectangle

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



83.8943, 0.2985, 0.3311



83.8943, 0.2943, 0.3176



83.8943, 0.3271, 0.3267



83.8943, 0.3315, 0.3401

Sweetspot

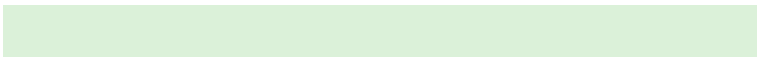
The Sweet Spot groups the original color and five complimentary colors.



83.8978, 0.2985, 0.3311



98.5361, 0.3084, 0.3296



83.0452, 0.3131, 0.3547



21.0091, 0.3072, 0.3298



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.



83.8978, 0.2985, 0.3311



94.4852, 0.2957, 0.3316



78.4648, 0.2972, 0.3188



17.9045, 0.2992, 0.3310



36.9432, 0.2320, 0.3553



3.0801, 0.2310, 0.3515

Inverse Universe

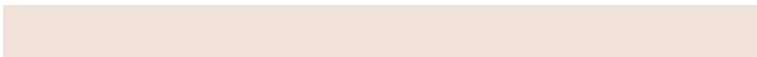
The Inverse Universe completely reimagines the original color for something new.



73.4124, 0.3289, 0.3269



80.3324, 0.3327, 0.3265



78.4162, 0.3292, 0.3390



15.7806, 0.3280, 0.3270



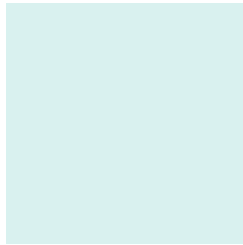
10.1772, 0.6307, 0.3248



0.8541, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 83.8943, 0.2985, 0.3311 looks on a white background.

Color Contrast Check

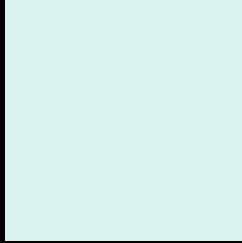
Large Text (above 18pt) WCAG AA × Fail

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 83.8943, 0.2985, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

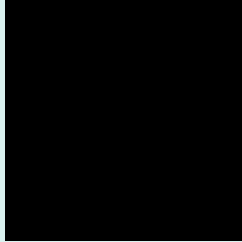
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

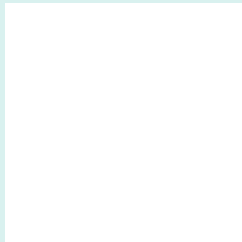
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8943, 0.2985, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.8943, 0.2985, 0.3311.

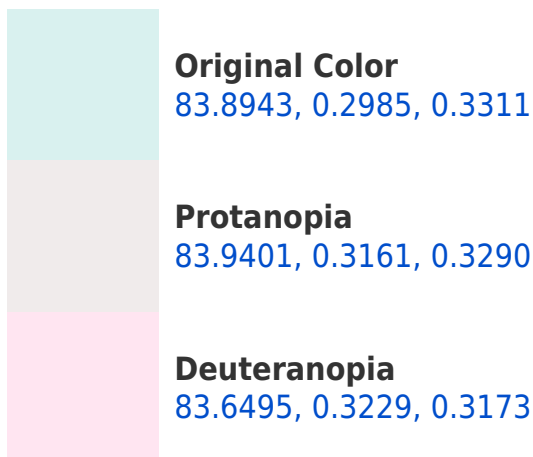


This preview shows how white text looks on a background with the Yxy color 83.8943, 0.2985, 0.3311.

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

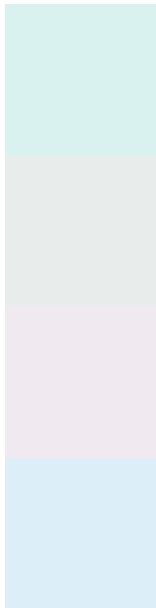




Tritanopia

83.8987, 0.2924, 0.3115

Trichromacy



Original Color

83.8943, 0.2985, 0.3311

Protanomaly

83.7803, 0.3100, 0.3300

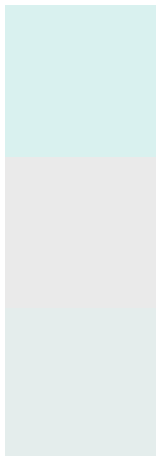
Deuteranomaly

83.2699, 0.3137, 0.3219

Tritanomaly

83.7882, 0.2946, 0.3186

Monochromacy



Original Color

83.8943, 0.2985, 0.3311

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.1185, 0.3074, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8943, 0.2985, 0.3311 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(217, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(217, 241, 239)  
}
```

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(217, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 241, 239) }
```

Border

The CSS property to change the border of an element to Yxy 83.8943, 0.2985, 0.3311 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(217, 241, 239) }
```

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

```
.border{ border-color:rgb(217, 241, 239) }
```

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

Here you see how a box with a 4 pixel rgb(217, 241, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(217, 241,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8943, 0.2985, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 241, 239) }
```

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

```
.background{ background-color: rgb(217,  
241, 239) }
```

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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