

Converting Colors

$Yxy(83.0807, 0.2960, 0.3321)$

Have a look what the booklet for
Yxy(83.0807, 0.2960, 0.3321)
contains.

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Color

Yxy(83.0807, 0.2960, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D4F1EE
RGB	212, 241, 238
RGB Percent	83%, 95%, 93%
CMY	0.1685, 0.0549, 0.0666
CMYK	0.12, 0.00, 0.01, 0.05
HSL	174°, 51%, 89%
HSV	174°, 12%, 95%
XYZ	74.0496, 83.0807, 93.0374
YIQ	231.9870, -16.3210, -7.0810

Conversions

Conversions Part 2

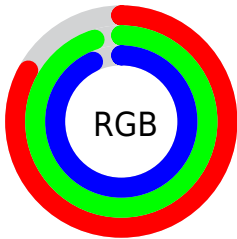
Format	Color
R _Y B	212, 227, 241
Decimal	13955566
CIE Lab	93.05, -9.96, -1.77
CIE LCh	93, 10.120, 190.064
Yxy	83.0807, 0.2960, 0.3321
Android (android.graphics.Color)	4292145646 (0xFFD4F1EE)
YUV	231.9870, 2.9644, -17.5286
Hunter-Lab	91.1486, -14.4957, 3.2854

Details

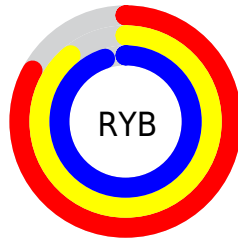
The Yxy color **83.0807, 0.2960, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7134, 0.3323, 0.3259**, and the grayscale version is **80.6799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2434, 0.2922, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **79.6206, 0.2829, 0.3349**, and if you desaturate by 10%, it is **87.0844, 0.3099, 0.3295**.

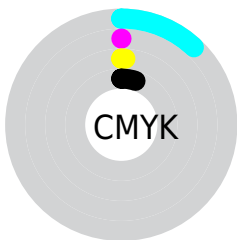
Distribution



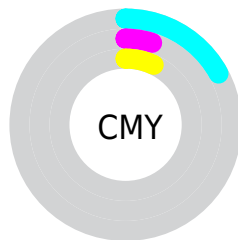
- Red (83%)
- Green (95%)
- Blue (93%)



- Red (83%)
- Yellow (89%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0807, 0.2960, 0.3321 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 83.0807, 0.2960, 0.3321 by changing the saturation by 10% instead.

83.0807, 0.2960,
0.3321

83.0807, 0.2960,
0.3321

505.2554, 0.3035,
0.3307

62.2567, 0.2943,
0.3324

137.6885, 0.2986,
0.3316

45.2402, 0.2923,
0.3328

172.2411, 0.2996,
0.3315

31.6466, 0.2897,
0.3332

212.1387, 0.3005,
0.3313

21.0917, 0.2864,
0.3338

257.7657, 0.3012,
0.3312

13.1911, 0.2820,
0.3345

309.5064, 0.3019,
0.3310

7.5603, 0.2759,
0.3355

367.7454, 0.3025,

3.8149, 0.2666,

0.3309

0.3369

432.8669, 0.3031,
0.3308

■ 1.5706, 0.2513,
0.3390

■ 0.3376, 0.0857,
0.3724

■ 83.0807, 0.2960,
0.3321

■ 83.0807, 0.2960,
0.3321

■ 79.6206, 0.2829,
0.3349

■ 87.0844, 0.3099,
0.3295

■ 76.6699, 0.2709,
0.3380


■ 90.6362, 0.3207,
0.3271

■ 74.2068, 0.2603,
0.3413


■ 90.7866, 0.3192,
0.3247

■ 72.2038, 0.2512,
0.3447


■ 90.9391, 0.3177,
0.3223

 70.6306, 0.2440,
0.3482


 91.0937, 0.3161,
0.3200


 69.4532, 0.2387,
0.3517

 91.2502, 0.3146,
0.3176

 68.6326, 0.2354,
0.3553

 91.3869, 0.3133,
0.3156

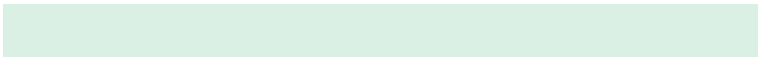
 68.1218, 0.2340,
0.3589

 67.8779, 0.2338,
0.3617

Harmonies

Analogous

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



83.0807, 0.3057, 0.3420



83.0807, 0.2960, 0.3321



83.0807, 0.2907, 0.3215

Triad

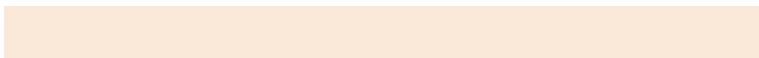
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0807, 0.2960, 0.3321



83.0807, 0.3077, 0.3106



83.0807, 0.3346, 0.3444

Complementary

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



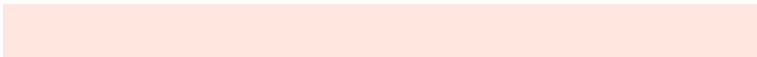
83.0807, 0.2960, 0.3321



70.7134, 0.3323, 0.3259

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.



83.0807, 0.3352, 0.3358



83.0807, 0.2960, 0.3321



83.0807, 0.3195, 0.3165

Square

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



83.0807, 0.2960, 0.3321



83.0807, 0.2974, 0.3094



83.0807, 0.3296, 0.3257



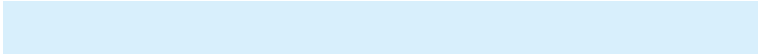
83.0807, 0.3281, 0.3491

Rectangle

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



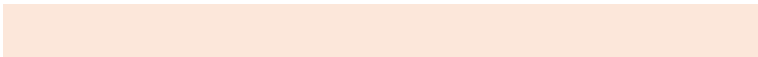
83.0807, 0.2960, 0.3321



83.0807, 0.2904, 0.3156



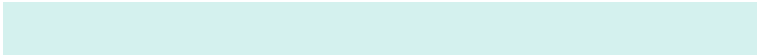
83.0807, 0.3296, 0.3257



83.0807, 0.3355, 0.3419

Sweetspot

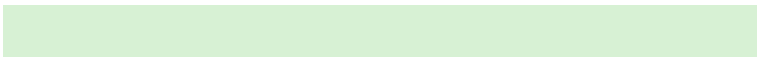
The Sweet Spot groups the original color and five complimentary colors.



83.0842, 0.2960, 0.3321



98.0493, 0.3070, 0.3300



82.1728, 0.3135, 0.3603



20.9105, 0.3060, 0.3302



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.



83.0842, 0.2960, 0.3321



93.6128, 0.2933, 0.3327



76.8885, 0.2941, 0.3171



17.8994, 0.2995, 0.3314



36.8226, 0.2336, 0.3611



3.0713, 0.2323, 0.3564

Inverse Universe

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



70.7134, 0.3323, 0.3259



77.4055, 0.3361, 0.3254



76.3047, 0.3330, 0.3406



15.7852, 0.3277, 0.3266



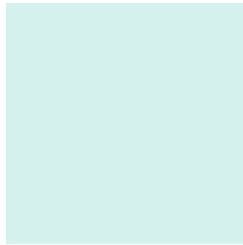
10.1875, 0.6280, 0.3233



0.8563, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 83.0807, 0.2960, 0.3321 looks on a white background.

Color Contrast Check

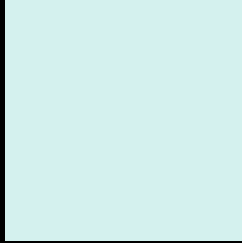
Large Text (above 18pt) WCAG AA × Fail

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 83.0807, 0.2960, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

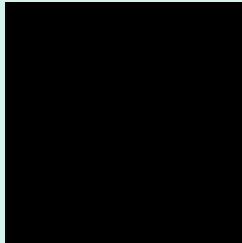
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

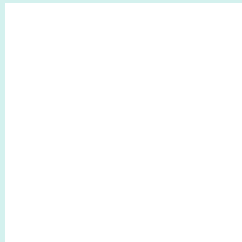
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0807, 0.2960, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 83.0807, 0.2960, 0.3321.

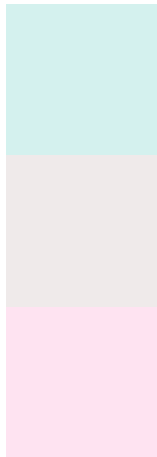


This preview shows how white text looks on a background with the Yxy color 83.0807, 0.2960, 0.3321.

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

83.0807, 0.2960, 0.3321

Protanopia

83.1369, 0.3161, 0.3290

Deuteranopia

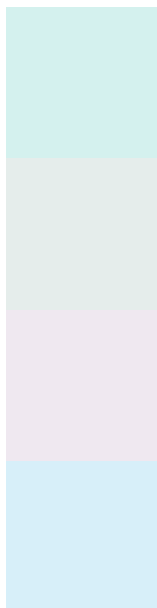
82.3599, 0.3224, 0.3152



Tritanopia

83.1208, 0.2894, 0.3114

Trichromacy



Original Color

83.0807, 0.2960, 0.3321

Protanomaly

83.2245, 0.3087, 0.3311

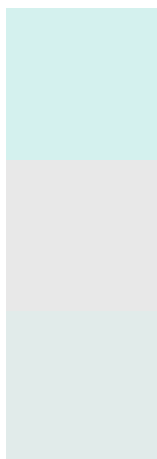
Deuteranomaly

82.3552, 0.3124, 0.3209

Tritanomaly

83.0196, 0.2915, 0.3185

Monochromacy



Original Color

83.0807, 0.2960, 0.3321

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3647, 0.3067, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0807, 0.2960, 0.3321 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(212, 241, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 238)  
}
```

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(212, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.0807, 0.2960, 0.3321 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(212, 241, 238) }
```

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

```
.border{ border-color:rgb(212, 241, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0807, 0.2960, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 238) }
```

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

```
.background{ background-color: rgb(212,  
241, 238) }
```

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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