

Converting Colors

$Yxy(83.2009, 0.3002, 0.3315)$

Have a look what the booklet for
Yxy(83.2009, 0.3002, 0.3315)
contains.

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Color

Yxy(83.3400, 0.3003, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	DAF0ED
RGB	218, 240, 237
RGB Percent	85%, 94%, 93%
CMY	0.1451, 0.0588, 0.0705
CMYK	0.09, 0.00, 0.01, 0.06
HSL	172°, 42%, 90%
HSV	172°, 9%, 94%
XYZ	75.3598, 83.3400, 92.2487
YIQ	233.0800, -12.1490, -5.5970

Conversions

Conversions Part 2

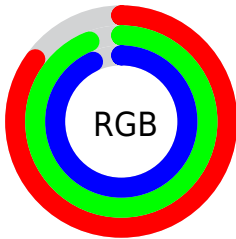
Format	Color
R _{YB}	218, 230, 240
Decimal	14348525
CIE Lab	93.16, -7.75, -1.04
CIE LCh	93, 7.824, 187.604
Yxy	83.3400, 0.3003, 0.3321
Android (android.graphics.Color)	4292538605 (0xFFDAF0ED)
YUV	233.0800, 1.9326, -13.2252
Hunter-Lab	91.2907, -12.4084, 3.9914

Details

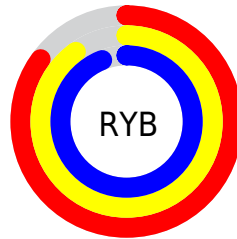
The Yxy color **83.3400, 0.3003, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8852, 0.3267, 0.3259**, and the grayscale version is **81.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4037, 0.2977, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **79.7188, 0.2874, 0.3358**, and if you desaturate by 10%, it is **87.5074, 0.3139, 0.3287**.

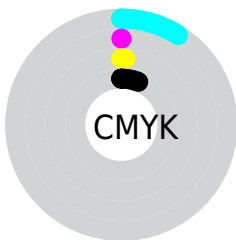
Distribution



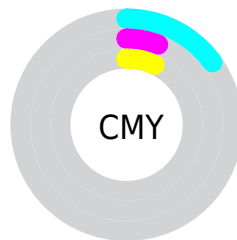
- Red (85%)
- Green (94%)
- Blue (93%)



- Red (85%)
- Yellow (90%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3400, 0.3003, 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 83.3400, 0.3003, 0.3321 by changing the saturation by 10% instead.

83.3400, 0.3003,
0.3321

83.3400, 0.3003,
0.3321

506.1190, 0.3059,
0.3307

62.4707, 0.2991,
0.3324

138.0516, 0.3022,
0.3316

45.4131, 0.2975,
0.3328

172.6626, 0.3030,
0.3314

31.7830, 0.2956,
0.3332

212.6230, 0.3036,
0.3313

21.1958, 0.2932,
0.3338

258.3171, 0.3042,
0.3311

13.2672, 0.2899,
0.3346

310.1293, 0.3047,
0.3310

7.6128, 0.2853,
0.3357

368.4442, 0.3051,

3.8482, 0.2784,

0.3309

0.3373

433.6459, 0.3055,
0.3308

■ 1.5890, 0.2668,
0.3398

■ 0.3502, 0.1515,
0.3696

■ 83.3400, 0.3003,
0.3321

■ 83.3400, 0.3003,
0.3321

■ 79.7188, 0.2874,
0.3358

■ 87.5074, 0.3139,
0.3287

■ 76.6104, 0.2754,
0.3398

■ 90.0867, 0.3204,
0.3256

■ 73.9937, 0.2647,
0.3441


■ 90.2858, 0.3184,
0.3225

■ 71.8420, 0.2554,
0.3486


■ 90.4883, 0.3164,
0.3193


 70.1262, 0.2479,
0.3533

 90.6944, 0.3144,
0.3162

 68.8139, 0.2423,
0.3581

 90.8035, 0.3134,
0.3146

 67.8680, 0.2387,
0.3629

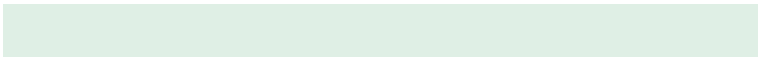
 67.2447, 0.2370,
0.3677

 66.8764, 0.2369,
0.3724

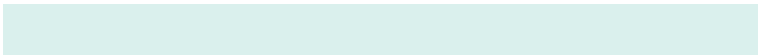
Harmonies

Analogous

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



83.3400, 0.3081, 0.3395



83.3400, 0.3003, 0.3321



83.3400, 0.2959, 0.3239

Triad

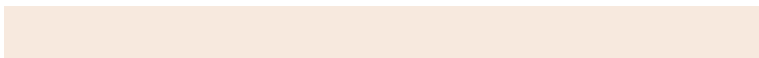
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3400, 0.3003, 0.3321



83.3400, 0.3081, 0.3145



83.3400, 0.3298, 0.3405

Complementary

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



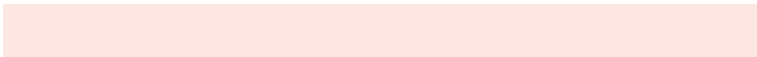
83.3400, 0.3003, 0.3321



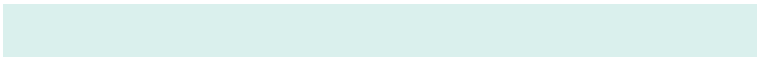
73.8852, 0.3267, 0.3259

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.



83.3400, 0.3299, 0.3337



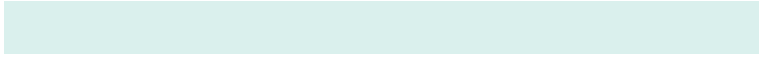
83.3400, 0.3003, 0.3321



83.3400, 0.3172, 0.3188

Square

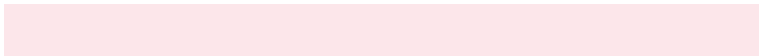
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3400, 0.3003, 0.3321



83.3400, 0.3003, 0.3139



83.3400, 0.3252, 0.3258



83.3400, 0.3252, 0.3444

Rectangle

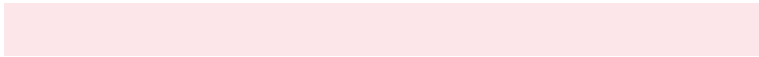
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



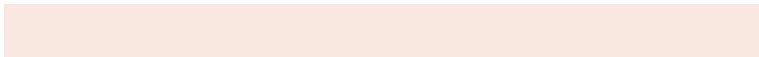
83.3400, 0.3003, 0.3321



83.3400, 0.2954, 0.3192



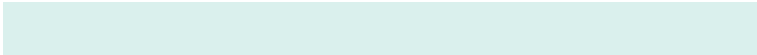
83.3400, 0.3252, 0.3258



83.3400, 0.3304, 0.3385

Sweetspot

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



83.3435, 0.3003, 0.3321



98.5112, 0.3086, 0.3300



82.8037, 0.3138, 0.3524



21.0024, 0.3075, 0.3303



0.0000, 0.0000, 0.0000



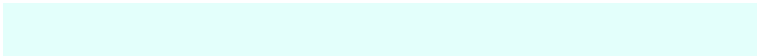
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3435, 0.3003, 0.3321



94.8201, 0.2978, 0.3328



79.0792, 0.2985, 0.3208



17.8899, 0.2999, 0.3322



36.6075, 0.2367, 0.3720



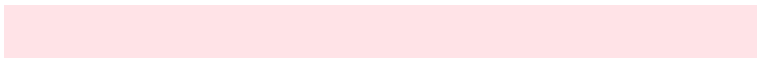
3.0555, 0.2349, 0.3658

Inverse Universe

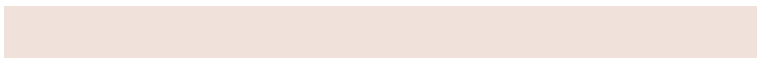
The Inverse Universe completely reimagines the original color for something new.



73.8852, 0.3267, 0.3259



81.9265, 0.3299, 0.3253



77.8164, 0.3279, 0.3370



15.7938, 0.3272, 0.3258



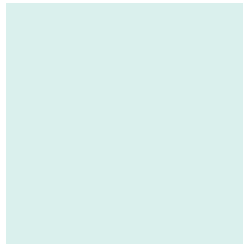
10.2108, 0.6222, 0.3201



0.8603, 0.5920, 0.3035

Previews

White Background



This preview shows how the Yxy color 83.3400, 0.3003, 0.3321 looks on a white background.

Color Contrast Check

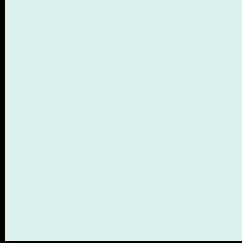
Large Text (above 18pt) WCAG AA × Fail

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 83.3400, 0.3003, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

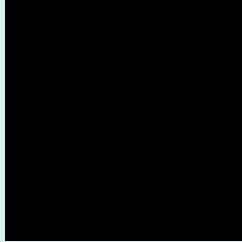
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

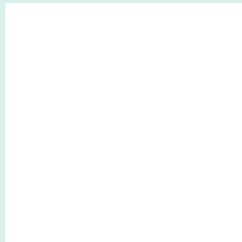
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3400, 0.3003, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 83.3400, 0.3003, 0.3321.

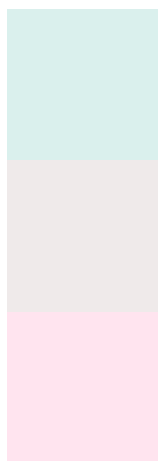


This preview shows how white text looks on a background with the Yxy color 83.3400, 0.3003, 0.3321.

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

83.3400, 0.3003, 0.3321

Protanopia

83.1369, 0.3161, 0.3290

Deuteranopia

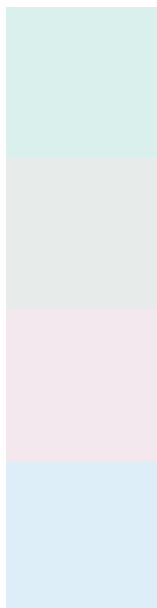
82.9788, 0.3243, 0.3182



Tritanopia

83.3180, 0.2924, 0.3105

Trichromacy



Original Color

83.3400, 0.3003, 0.3321

Protanomaly

82.9780, 0.3100, 0.3300

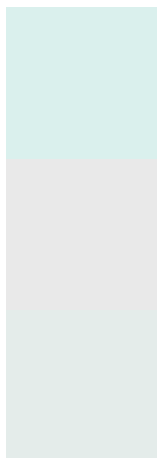
Deuteranomaly

82.7635, 0.3157, 0.3230

Tritanomaly

83.2985, 0.2958, 0.3186

Monochromacy



Original Color

83.3400, 0.3003, 0.3321

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.4254, 0.3086, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3400, 0.3003, 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(218, 240, 237)` looks like.

```
.text, #text, p{  
    color:rgb(218, 240, 237)  
}
```

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(218, 240, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 240, 237) }
```

Border

The CSS property to change the border of an element to Yxy 83.3400, 0.3003, 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(218, 240, 237) }
```

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

```
.border{ border-color:rgb(218, 240, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 240, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 240, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 240, 237);  
box-shadow:4px 4px 4px 4px rgb(218, 240,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3400, 0.3003, 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(218, 240, 237) }
```

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

```
.background{ background-color: rgb(218,  
240, 237) }
```

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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