

Converting Colors

$Yxy(83.3409, 0.2961, 0.3301)$

Have a look what the booklet for
Yxy(83.3409, 0.2961, 0.3301)
contains.

Yxy(83.4980, 0.2961, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.4980, 0.2961, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D6F1F0
RGB	214, 241, 240
RGB Percent	84%, 95%, 94%
CMY	0.1607, 0.0549, 0.0588
CMYK	0.11, 0.00, 0.00, 0.05
HSL	178°, 49%, 89%
HSV	178°, 11%, 95%
XYZ	74.9205, 83.4980, 94.6058
YIQ	232.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

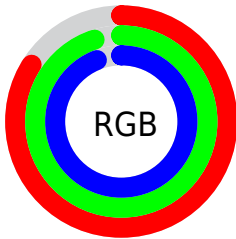
Format	Color
R_{YB}	214, 228, 241
Decimal	14086640
CIE Lab	93.23, -8.95, -2.51
CIE LCh	93, 9.300, 195.688
Yxy	83.4980, 0.2961, 0.3300
Android (android.graphics.Color)	4292276720 (0xFFD6F1F0)
YUV	232.8130, 3.5432, -16.4990
Hunter-Lab	91.3772, -13.5575, 2.5792

Details

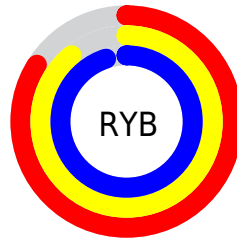
The Yxy color **83.4980, 0.2961, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7152, 0.3320, 0.3280**, and the grayscale version is **81.3246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5295, 0.2924, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.0862, 0.2821, 0.3310**, and if you desaturate by 10%, it is **87.4535, 0.3109, 0.3291**.

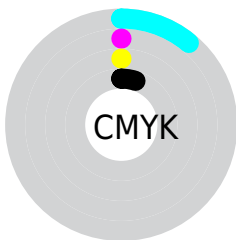
Distribution



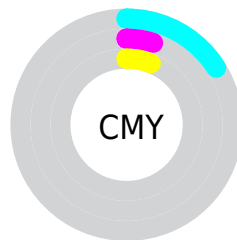
- Red (84%)
- Green (95%)
- Blue (94%)



- Red (84%)
- Yellow (89%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4980, 0.2961, 0.3300 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 83.4980, 0.2961, 0.3300 by changing the saturation by 10% instead.


 83.4980, 0.2961,
0.3300

 83.4980, 0.2961,
0.3300


506.6447, 0.3036,
0.3296

 62.6011, 0.2944,
0.3301


138.2727, 0.2987,
0.3299

 45.5185, 0.2924,
0.3302


172.9193, 0.2997,
0.3298

 31.8661, 0.2899,
0.3303


212.9179, 0.3005,
0.3298

 21.2592, 0.2866,
0.3304

258.6529, 0.3013,
0.3297

 13.3136, 0.2823,
0.3306

310.5087, 0.3020,
0.3297

 7.6449, 0.2762,
0.3307

368.8696, 0.3026,

 3.8686, 0.2671,

0.3297

0.3309

434.1202, 0.3031,
0.3296

■ 1.6003, 0.2521,
0.3309

■ 0.3578, 0.1163,
0.3425

■ 83.4980, 0.2961,
0.3300

■ 83.4980, 0.2961,
0.3300

■ 80.0862, 0.2821,
0.3310

■ 87.4535, 0.3109,
0.3291

■ 77.1842, 0.2693,
0.3320

■ 90.5677, 0.3215,
0.3283

■ 74.7702, 0.2580,
0.3332

■ 90.6213, 0.3209,
0.3274

■ 72.8169, 0.2483,
0.3343

■ 90.6752, 0.3204,
0.3265

71.2944, 0.2405,
0.3356

90.7294, 0.3198,
0.3257

70.1689, 0.2346,
0.3368

90.7838, 0.3192,
0.3248

69.4021, 0.2307,
0.3380

90.8385, 0.3187,
0.3239

68.9476, 0.2286,
0.3392

90.8934, 0.3181,
0.3231

68.7409, 0.2279,
0.3403

90.9486, 0.3176,
0.3222

Harmonies

Analogous

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



83.4980, 0.3044, 0.3394



83.4980, 0.2961, 0.3300



83.4980, 0.2922, 0.3205

Triad

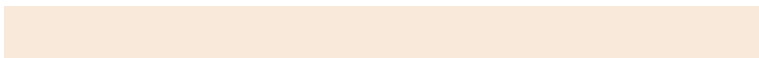
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4980, 0.2961, 0.3300



83.4980, 0.3101, 0.3128



83.4980, 0.3321, 0.3443

Complementary

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



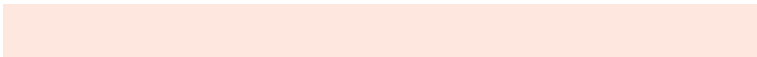
83.4980, 0.2961, 0.3300



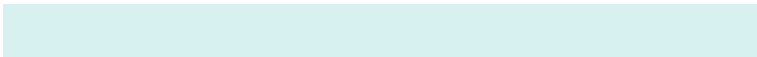
71.7152, 0.3320, 0.3280

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.



83.4980, 0.3337, 0.3369



83.4980, 0.2961, 0.3300



83.4980, 0.3209, 0.3190

Square

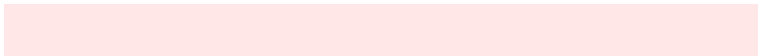
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4980, 0.2961, 0.3300



83.4980, 0.3002, 0.3108



83.4980, 0.3296, 0.3277



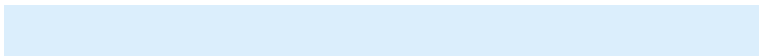
83.4980, 0.3252, 0.3477

Rectangle

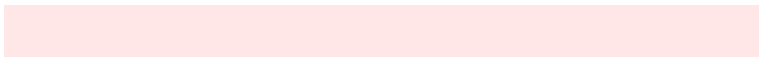
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



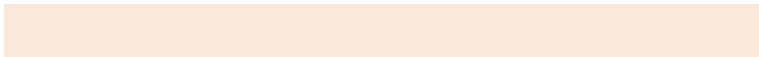
83.4980, 0.2961, 0.3300



83.4980, 0.2926, 0.3155



83.4980, 0.3296, 0.3277



83.4980, 0.3333, 0.3422

Sweetspot

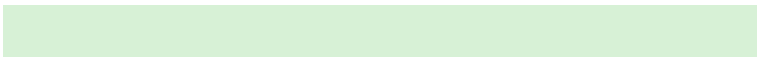
The Sweet Spot groups the original color and five complimentary colors.



83.5015, 0.2961, 0.3300



98.5596, 0.3082, 0.3293



82.2704, 0.3122, 0.3581



21.0155, 0.3070, 0.3293



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.



83.5015, 0.2961, 0.3300



94.1672, 0.2934, 0.3302



76.6132, 0.2953, 0.3160



17.9183, 0.2986, 0.3298



37.2818, 0.2278, 0.3401



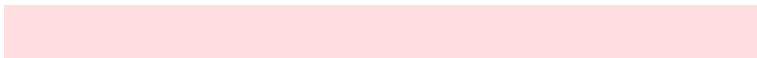
3.1046, 0.2274, 0.3385

Inverse Universe

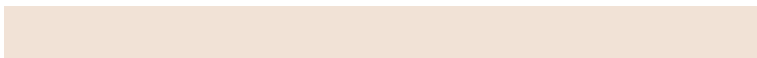
The Inverse Universe completely reimagines the original color for something new.



71.7152, 0.3320, 0.3280



78.7547, 0.3357, 0.3278



78.0393, 0.3312, 0.3417



15.7683, 0.3288, 0.3282



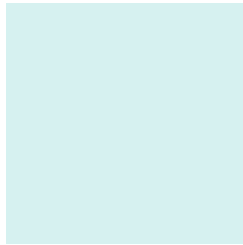
10.1559, 0.6362, 0.3278



0.8482, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 83.4980, 0.2961, 0.3300 looks on a white background.

Color Contrast Check

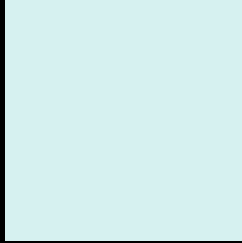
Large Text (above 18pt) WCAG AA × Fail

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 83.4980, 0.2961, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

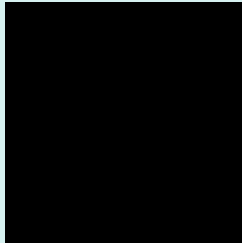
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

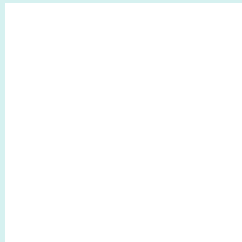
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4980, 0.2961, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.4980, 0.2961, 0.3300.

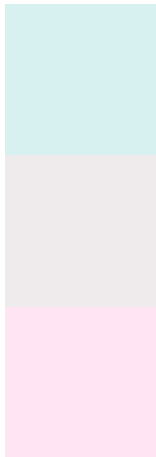


This preview shows how white text looks on a background with the Yxy color 83.4980, 0.2961, 0.3300.

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

83.4980, 0.2961, 0.3300

Protanopia

83.2525, 0.3148, 0.3270

Deuteranopia

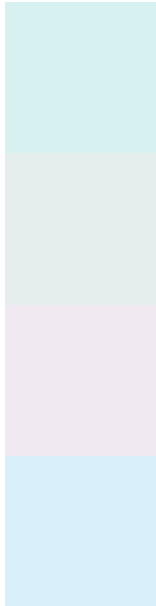
83.2179, 0.3217, 0.3143



Tritanopia

83.4291, 0.2906, 0.3114

Trichromacy



Original Color

83.4980, 0.2961, 0.3300

Protanomaly

83.5058, 0.3081, 0.3290

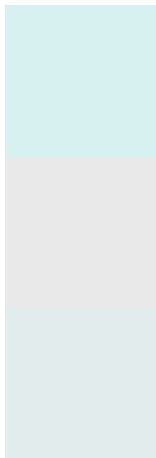
Deuteranomaly

83.2139, 0.3118, 0.3199

Tritanomaly

83.3868, 0.2922, 0.3175

Monochromacy



Original Color

83.4980, 0.2961, 0.3300

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.2158, 0.3061, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4980, 0.2961, 0.3300 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(214, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(214, 241, 240)  
}
```

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(214, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 241, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.4980, 0.2961, 0.3300 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(214, 241, 240) }
```

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

```
.border{ border-color:rgb(214, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(214, 241,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4980, 0.2961, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 241, 240) }
```

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

```
.background{ background-color: rgb(214,  
241, 240) }
```

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