

Converting Colors

$Yxy(85.3281, 0.2931, 0.3499)$

Have a look what the booklet for
Yxy(85.3281, 0.2931, 0.3499)
contains.

Yxy(85.5506, 0.2933, 0.3506)	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(85.5506, 0.2933, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	C7F9E5
RGB	199, 249, 229
RGB Percent	78%, 98%, 90%
CMY	0.2197, 0.0235, 0.1018
CMYK	0.20, 0.00, 0.08, 0.02
HSL	156°, 81%, 88%
HSV	156°, 20%, 98%
XYZ	71.5687, 85.5506, 86.8927
YIQ	231.7700, -23.3800, -16.8200

Conversions

Conversions Part 2

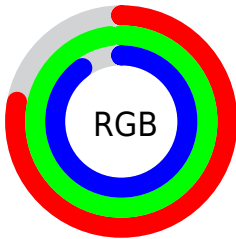
Format	Color
R_{YB}	199, 230, 249
Decimal	13105637
CIE _{Lab}	94.12, -19.77, 4.35
CIE _{LCh}	94, 20.246, 167.592
Yxy	85.5506, 0.2933, 0.3506
Android (android.graphics.Color)	4291295717 (0xFFC7F9E5)
YUV	231.7700, -1.3656, -28.7393
Hunter-Lab	92.4936, -23.7459, 9.0458

Details

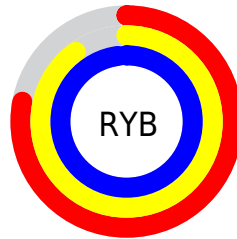
The Yxy color **85.5506, 0.2933, 0.3506** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0856, 0.3373, 0.3084**, and the grayscale version is **80.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6846, 0.2884, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **81.8831, 0.2844, 0.3631**, and if you desaturate by 10%, it is **89.8142, 0.3028, 0.3393**.

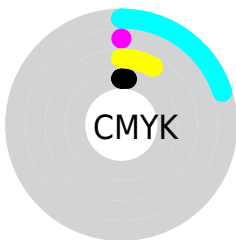
Distribution



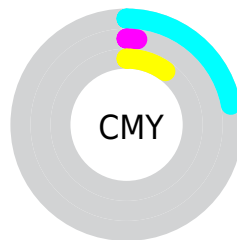
- Red (78%)
- Green (98%)
- Blue (90%)



- Red (78%)
- Yellow (90%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (22%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5506, 0.2933, 0.3506 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 85.5506, 0.2933, 0.3506 by changing the saturation by 10% instead.


 85.5506, 0.2933,
0.3506

 85.5506, 0.2933,
0.3506

513.4482, 0.3021,
0.3407

 64.2964, 0.2913,
0.3528

141.1422, 0.2963,
0.3472

 46.8908, 0.2889,
0.3556


176.2484, 0.2975,
0.3459

 32.9493, 0.2859,
0.3590


216.7407, 0.2985,
0.3447

 22.0876, 0.2820,
0.3635

263.0036, 0.2994,
0.3437

 13.9213, 0.2768,
0.3695

315.4214, 0.3002,
0.3428

 8.0660, 0.2694,
0.3780

374.3785, 0.3009,

 4.1372, 0.2583,

0.3421

0.3912

440.2593, 0.3015,
0.3414

■ 1.7506, 0.2396,
0.4138

■ 0.4561, 0.0000,
0.7032

■ 85.5506, 0.2933,
0.3506

■ 85.5506, 0.2933,
0.3506

■ 81.8831, 0.2844,
0.3631

■ 89.8142, 0.3028,
0.3393

■ 78.7736, 0.2765,
0.3766

■ 94.6891, 0.3126,
0.3291

■ 76.1956, 0.2698,
0.3910

■ 96.2373, 0.3130,
0.3233

■ 74.1165, 0.2646,
0.4062

■ 72.4997, 0.2613,
0.4219

■ 71.3036, 0.2601,
0.4376

■ 70.4786, 0.2609,
0.4532

■ 69.9466, 0.2634,
0.4681

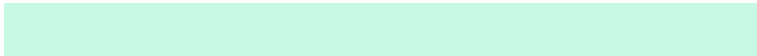
Harmonies

Analogous

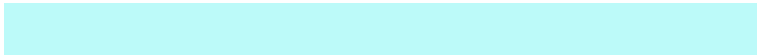
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5506, 0.3158, 0.3658



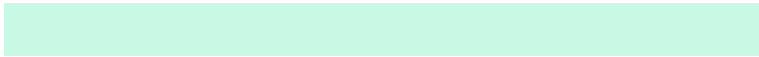
85.5506, 0.2933, 0.3506



85.5506, 0.2763, 0.3293

Triad

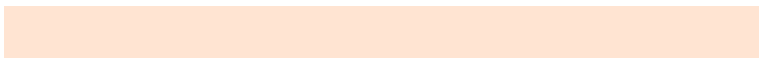
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5506, 0.2933, 0.3506



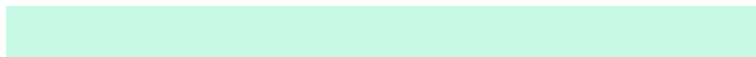
85.5506, 0.2868, 0.2904



85.5506, 0.3586, 0.3465

Complementary

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



85.5506, 0.2933, 0.3506



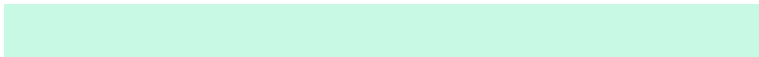
66.0856, 0.3373, 0.3084

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.



85.5506, 0.3503, 0.3270



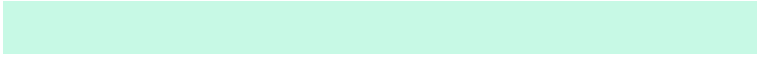
85.5506, 0.2933, 0.3506



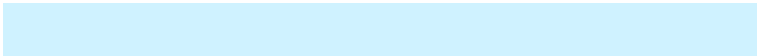
85.5506, 0.3082, 0.2955

Square

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



85.5506, 0.2933, 0.3506



85.5506, 0.2727, 0.2950



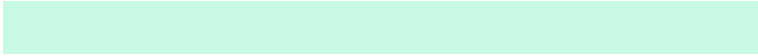
85.5506, 0.3316, 0.3087



85.5506, 0.3540, 0.3624

Rectangle

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



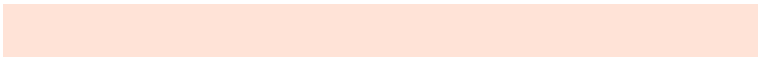
85.5506, 0.2933, 0.3506



85.5506, 0.2702, 0.3152



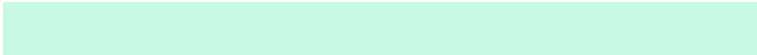
85.5506, 0.3316, 0.3087



85.5506, 0.3572, 0.3401

Sweetspot

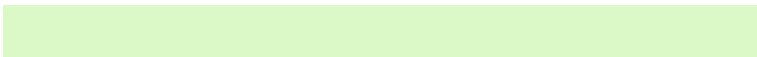
The Sweet Spot groups the original color and five complimentary colors.



85.5542, 0.2933, 0.3506



96.8256, 0.3068, 0.3350



86.9371, 0.3230, 0.3826



20.6538, 0.3061, 0.3357



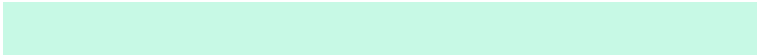
0.0000, 0.0000, 0.0000



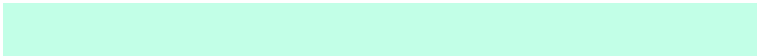
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5542, 0.2933, 0.3506



88.7081, 0.2897, 0.3554



83.6827, 0.2823, 0.3236



19.4844, 0.3034, 0.3386



37.4669, 0.2627, 0.4657



3.4910, 0.2577, 0.4476

Inverse Universe

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



66.0856, 0.3373, 0.3084



64.8287, 0.3433, 0.3042



67.4365, 0.3518, 0.3344



17.3400, 0.3231, 0.3196



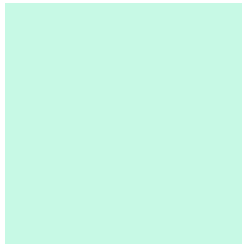
11.2930, 0.5385, 0.2740



1.0662, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 85.5506, 0.2933, 0.3506 looks on a white background.

Color Contrast Check

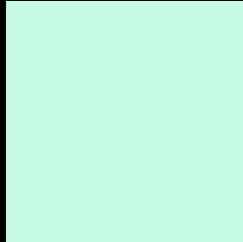
Large Text (above 18pt) WCAG AA × Fail

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 85.5506, 0.2933, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

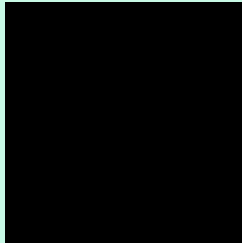
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

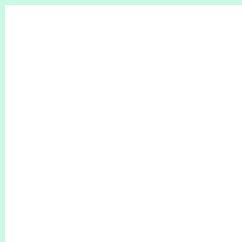
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5506, 0.2933, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 85.5506, 0.2933, 0.3506.

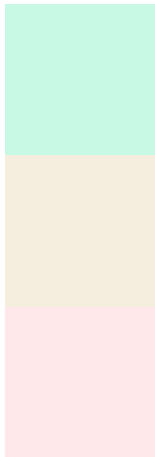


This preview shows how white text looks on a background with the Yxy color 85.5506, 0.2933, 0.3506.

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

85.5506, 0.2933, 0.3506

Protanopia

85.2548, 0.3276, 0.3442

Deuteranopia

84.9137, 0.3272, 0.3271



Tritanopia

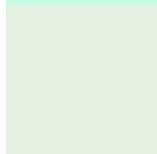
85.4760, 0.2895, 0.3156

Trichromacy



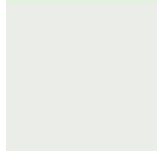
Original Color

85.5506, 0.2933, 0.3506



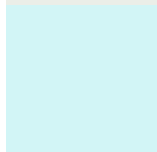
Protanomaly

84.8408, 0.3139, 0.3457



Deuteranomaly

84.6374, 0.3144, 0.3352



Tritanomaly

85.6603, 0.2904, 0.3279

Monochromacy



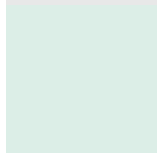
Original Color

85.5506, 0.2933, 0.3506



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.1342, 0.3052, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5506, 0.2933, 0.3506 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(199, 249, 229)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 229)  
}
```

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(199, 249, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 229) }
```

Border

The CSS property to change the border of an element to Yxy 85.5506, 0.2933, 0.3506 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(199, 249, 229) }
```

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

```
.border{ border-color:rgb(199, 249, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 249, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 249, 229); box-shadow:4px 4px 4px 4px rgb(199, 249, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5506, 0.2933, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 249, 229) }
```

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

```
.background{ background-color: rgb(199,  
249, 229) }
```

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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