

Converting Colors

$Yxy(83.8371, 0.2934, 0.3573)$

Have a look what the booklet for
Yxy(83.8371, 0.2934, 0.3573)
contains.

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Color

Yxy(83.7462, 0.2936, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	C1F8DE
RGB	193, 248, 222
RGB Percent	76%, 97%, 87%
CMY	0.2432, 0.0274, 0.1295
CMYK	0.22, 0.00, 0.10, 0.03
HSL	152°, 80%, 86%
HSV	152°, 22%, 97%
XYZ	68.7388, 83.7462, 81.6391
YIQ	228.5910, -24.4340, -19.7460

Conversions

Conversions Part 2

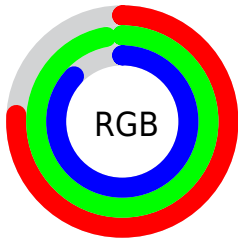
Format	Color
R _{YB}	193, 229, 248
Decimal	12712158
CIE Lab	93.34, -22.49, 6.82
CIE LCh	93, 23.501, 163.123
Yxy	83.7462, 0.2936, 0.3577
Android (android.graphics.Color)	4290902238 (0xFFC1F8DE)
YUV	228.5910, -3.2494, -31.2133
Hunter-Lab	91.5129, -26.0696, 11.1662

Details

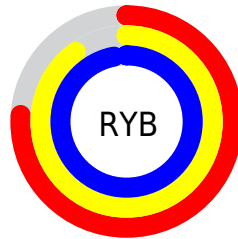
The Yxy color **83.7462, 0.2936, 0.3577** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2041, 0.3372, 0.3020**, and the grayscale version is **78.0748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **45.4549, 0.2888, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **80.1522, 0.2858, 0.3729**, and if you desaturate by 10%, it is **87.9375, 0.3020, 0.3439**.

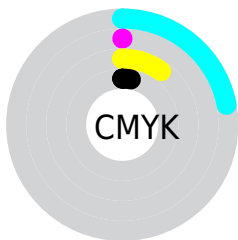
Distribution



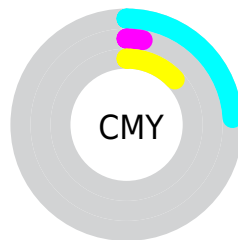
- Red (76%)
- Green (97%)
- Blue (87%)



- Red (76%)
- Yellow (90%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)




- Cyan (24%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7462, 0.2936, 0.3577 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 83.7462, 0.2936, 0.3577 by changing the saturation by 10% instead.

 83.7462, 0.2936,
0.3577

 83.7462, 0.2936,
0.3577

507.4701, 0.3024,
0.3445

 62.8059, 0.2916,
0.3607


 138.6201, 0.2966,
0.3531

 45.6842, 0.2892,
0.3644

173.3225, 0.2978,
0.3513

 31.9967, 0.2861,
0.3691


213.3810, 0.2988,
0.3498

 21.3590, 0.2821,
0.3753

259.1802, 0.2997,
0.3485

 13.3867, 0.2767,
0.3837

311.1042, 0.3005,
0.3473

 7.6953, 0.2690,
0.3957

369.5376, 0.3012,

 3.9006, 0.2571,

0.3462

0.4145

434.8648, 0.3018,
0.3453

1.6181, 0.2365,
0.4478

0.3698, 0.0000,
1.0000

83.7462, 0.2936,
0.3577

83.7462, 0.2936,
0.3577

80.1522, 0.2858,
0.3729

87.9375, 0.3020,
0.3439

77.1168, 0.2788,
0.3894

92.7417, 0.3108,
0.3315

74.6131, 0.2731,
0.4069

95.6216, 0.3130,
0.3223

72.6076, 0.2689,
0.4253

■ 71.0627, 0.2666,
0.4441

■ 69.9355, 0.2664,
0.4628

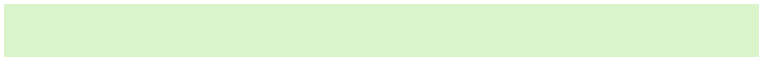
■ 69.1741, 0.2682,
0.4809

■ 68.7730, 0.2707,
0.4945

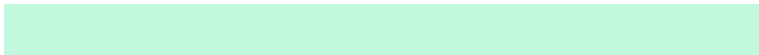
Harmonies

Analogous

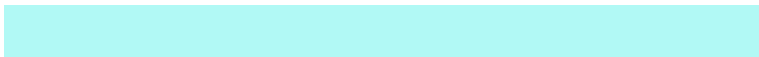
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7462, 0.3203, 0.3739



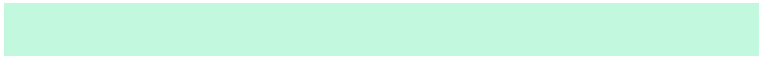
83.7462, 0.2936, 0.3577



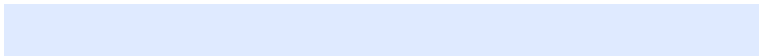
83.7462, 0.2726, 0.3331

Triad

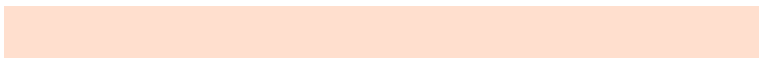
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7462, 0.2936, 0.3577



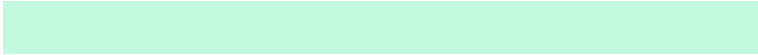
83.7462, 0.2794, 0.2842



83.7462, 0.3659, 0.3458

Complementary

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



83.7462, 0.2936, 0.3577



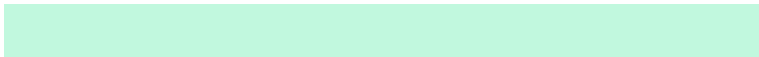
63.2041, 0.3372, 0.3020

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.



83.7462, 0.3541, 0.3231



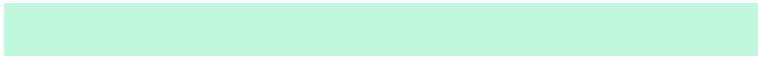
83.7462, 0.2936, 0.3577



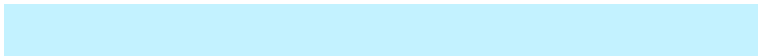
83.7462, 0.3033, 0.2886

Square

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



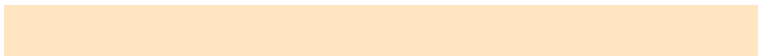
83.7462, 0.2936, 0.3577



83.7462, 0.2647, 0.2910



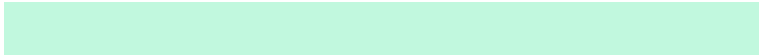
83.7462, 0.3308, 0.3026



83.7462, 0.3627, 0.3655

Rectangle

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



83.7462, 0.2936, 0.3577



83.7462, 0.2644, 0.3161



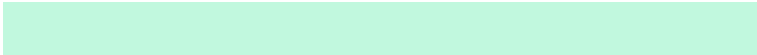
83.7462, 0.3308, 0.3026



83.7462, 0.3636, 0.3383

Sweetspot

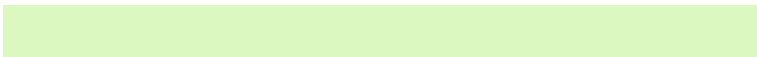
The Sweet Spot groups the original color and five complimentary colors.



83.7497, 0.2936, 0.3577



96.2386, 0.3065, 0.3373



86.1409, 0.3270, 0.3881



20.5329, 0.3060, 0.3381



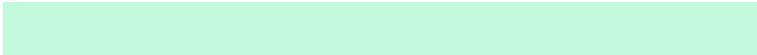
0.0000, 0.0000, 0.0000



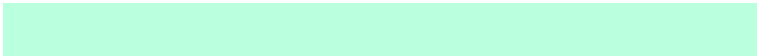
21.4041, 0.3127, 0.3290

Same Dimension

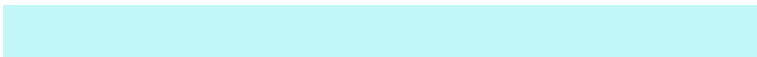
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7497, 0.2936, 0.3577



87.2756, 0.2897, 0.3649



84.6918, 0.2796, 0.3279



19.4621, 0.3044, 0.3404



37.1761, 0.2699, 0.4917



3.4646, 0.2641, 0.4708

Inverse Universe

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



63.2041, 0.3372, 0.3020



61.5401, 0.3441, 0.2958



62.3456, 0.3580, 0.3301



17.3619, 0.3219, 0.3178



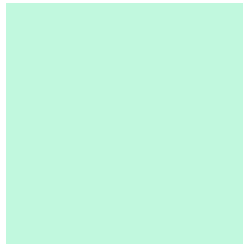
11.5057, 0.5077, 0.2571



1.0869, 0.4796, 0.2416

Previews

White Background



This preview shows how the Yxy color 83.7462, 0.2936, 0.3577 looks on a white background.

Color Contrast Check

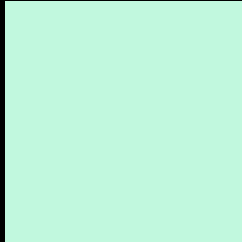
Large Text (above 18pt) WCAG AA × Fail

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 83.7462, 0.2936, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

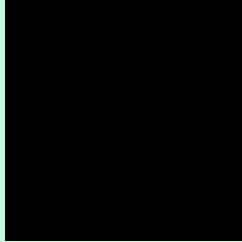
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

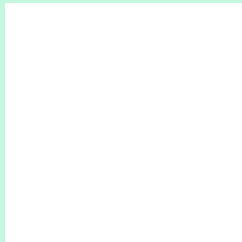
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7462, 0.2936, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 83.7462, 0.2936, 0.3577.

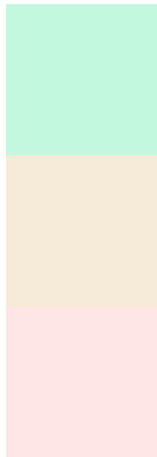


This preview shows how white text looks on a background with the Yxy color 83.7462, 0.2936, 0.3577.

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

83.7462, 0.2936, 0.3577

Protanopia

82.9850, 0.3317, 0.3485

Deuteranopia

82.9558, 0.3308, 0.3291



Tritanopia

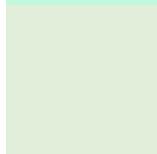
83.2418, 0.2852, 0.3133

Trichromacy



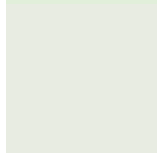
Original Color

83.7462, 0.2936, 0.3577



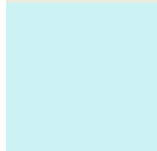
Protanomaly

82.8025, 0.3163, 0.3512



Deuteranomaly

82.6377, 0.3163, 0.3394



Tritanomaly

83.4096, 0.2884, 0.3289

Monochromacy



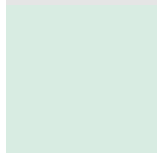
Original Color

83.7462, 0.2936, 0.3577



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.0808, 0.3056, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7462, 0.2936, 0.3577 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(193, 248, 222)` looks like.

```
.text, #text, p{  
    color:rgb(193, 248, 222)  
}
```

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(193, 248, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 248, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.7462, 0.2936, 0.3577 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(193, 248, 222) }
```

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

```
.border{ border-color:rgb(193, 248, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 248, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 248, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 248, 222);  
box-shadow:4px 4px 4px 4px rgb(193, 248,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7462, 0.2936, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 248, 222) }
```

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

```
.background{ background-color: rgb(193,  
248, 222) }
```

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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