

Converting Colors

`RYB(195, 255, 233)`

Have a look what the booklet for
RYB(195, 255, 233) contains.

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Color

R_YB(195, 255, 233)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFC3
RGB	217, 255, 195
RGB Percent	85%, 100%, 76%
CMY	0.1490, 0.0000, 0.2353
CMYK	0.15, 0.00, 0.24, 0.00
HSL	98°, 100%, 88%
HSV	98°, 24%, 100%
XYZ	74.2256, 90.2118, 65.1303
YIQ	236.7980, -3.3880, -26.7160

Conversions

Conversions Part 2

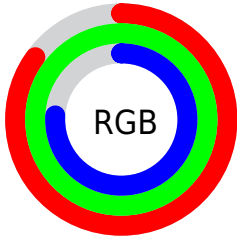
Format	Color
RYB	195, 255, 233
Decimal	14286787
CIELab	96.08, -22.68, 24.73
CIELCh	96, 33.559, 132.520
Yxy	90.2118, 0.3233, 0.3930
Android (android.graphics.Color)	4292476867 (0xFFD9FFC3)
YUV	236.7980, -20.6064, -17.3628
Hunter-Lab	94.9799, -26.7194, 25.8292

Details

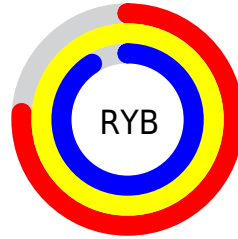
The RYB color **195, 255, 233** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **233, 195, 255**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **252, 255, 252**, and **141, 198, 177** is the 20% darker color. If you saturate the color by 10%, you get **170, 255, 224**, and if you desaturate by 10%, it is **220, 255, 242**.

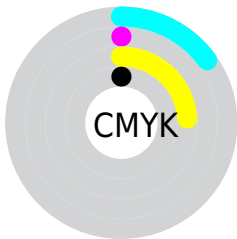
Distribution



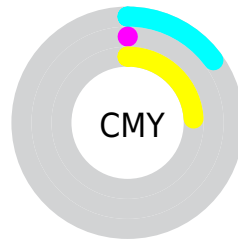
- Red (85%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 195, 255, 233 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 RYB color 195, 255, 233 by changing the saturation by 10% instead.


 195, 255, 233

255, 255, 255


252, 255, 252


 195, 255, 233

 168, 226, 205


 141, 198, 177

 115, 171, 151

 90, 144, 125

 66, 118, 100

 43, 94, 77

 21, 70, 55

 0, 47, 33

 0, 28, 28

■ 195, 255, 233

■ 195, 255, 233

■ 170, 255, 224

■ 220, 255, 242

■ 144, 255, 214

■ 246, 255, 252

■ 119, 255, 205

255, 255, 255

■ 93, 255, 196

■ 67, 255, 186

■ 42, 255, 177

■ 16, 255, 167

■ 0, 255, 161

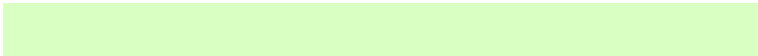
Harmonies

Analogous

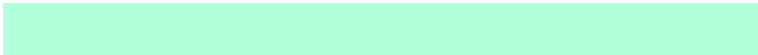
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



189, 254, 180



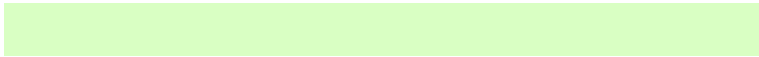
195, 255, 233



180, 228, 255

Triad

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



195, 255, 233



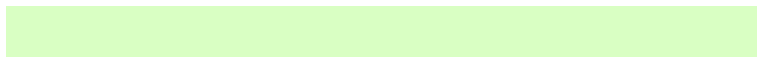
178, 216, 255



255, 220, 231

Complementary

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



195, 255, 233



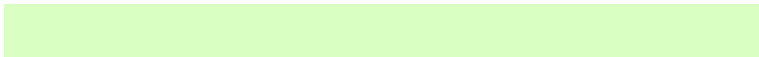
233, 195, 255

Split Complementary

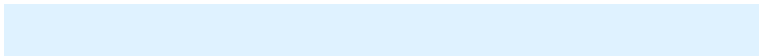
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 222, 255



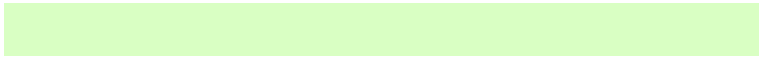
195, 255, 233



223, 235, 255

Square

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



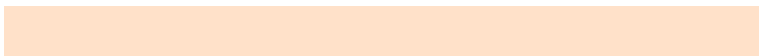
195, 255, 233



150, 203, 255



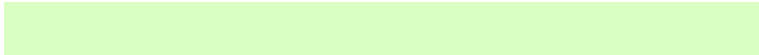
255, 231, 255



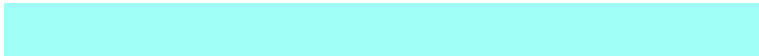
255, 244, 201

Rectangle

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



195, 255, 233



160, 210, 255



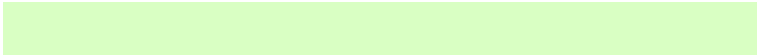
255, 231, 255



255, 220, 242

Sweetspot

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



195, 255, 233



237, 255, 248



230, 255, 195



117, 128, 124



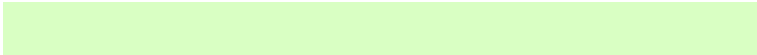
0, 0, 0



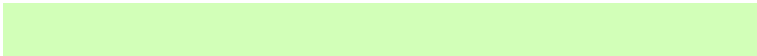
128, 128, 128

Same Dimension

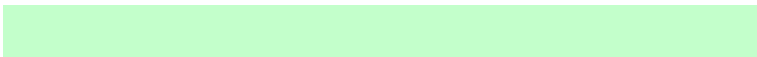
The Same Dimension uses a secret algorithm to generate beautiful new colors.



195, 255, 233



184, 255, 229



195, 248, 255



115, 128, 124



0, 191, 121



0, 64, 41

Inverse Universe

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



233, 195, 255



229, 184, 255



255, 195, 247



123, 115, 128



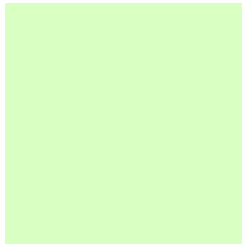
121, 0, 191



40, 0, 64

Previews

White Background



This preview shows how the RYB color 195, 255, 233 looks on a white background.

Color Contrast Check

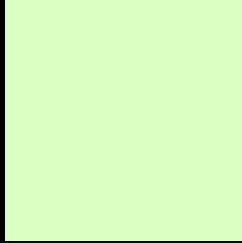
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 195, 255, 233 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

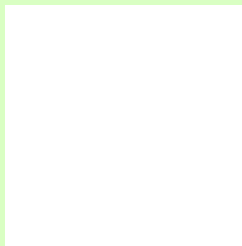
Any Text WCAG AAA ✓ Pass

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

RYB 195, 255, 233 Background



This preview shows how black text looks on a background with the RYB color 195, 255, 233.

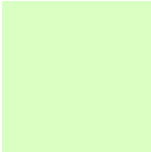
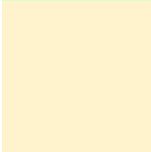
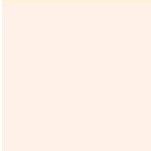


This preview shows how white text looks on a background with the RYB color 195, 255, 233.

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

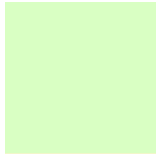
	Original Color 195, 255, 233
	Protanopia 222, 255, 206
	Deuteranopia 255, 247, 232



Tritanopia

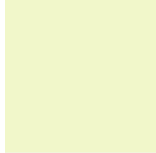
235, 242, 255

Trichromacy



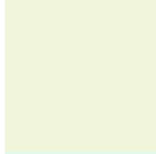
Original Color

195, 255, 233



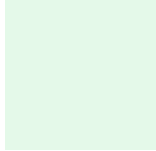
Protanomaly

202, 247, 208



Deuteranomaly

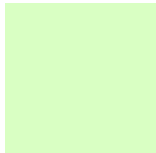
219, 246, 224



Tritanomaly

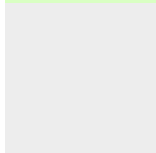
228, 245, 249

Monochromacy



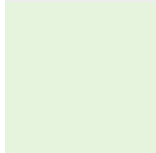
Original Color

195, 255, 233



Achromatopsia

237, 237, 237



Achromatomaly

222, 244, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 195, 255, 233 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(217, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 195)  
}
```

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(217, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 195) }
```

Border

The CSS property to change the border of an element to RYB 195, 255, 233 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(217, 255, 195) }
```

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

```
.border{ border-color:rgb(217, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 195, 255, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 195) }
```

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

```
.background{ background-color: rgb(217,  
255, 195) }
```

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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