

Converting Colors

`RYB(199, 223, 227)`

Have a look what the booklet for
RYB(199, 223, 227) contains.

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Color

R_YB(199, 223, 227)

Conversions

Conversions Part 1

Format	Color
Hex	C7E3CC
RGB	199, 227, 204
RGB Percent	78%, 89%, 80%
CMY	0.2196, 0.1098, 0.2013
CMYK	0.12, 0.00, 0.10, 0.11
HSL	130°, 33%, 84%
HSV	130°, 12%, 89%
XYZ	61.8814, 71.4239, 67.4421
YIQ	216.0060, -9.3050, -13.0890

Conversions

Conversions Part 2

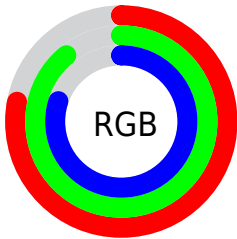
Format	Color
RYB	199, 223, 227
Decimal	13099980
CIELab	87.69, -13.59, 8.29
CIELCh	88, 15.917, 148.606
Yxy	71.4239, 0.3083, 0.3558
Android (android.graphics.Color)	4291290060 (0xFFC7E3CC)
YUV	216.0060, -5.9190, -14.9143
Hunter-Lab	84.5127, -17.1969, 11.8448

Details

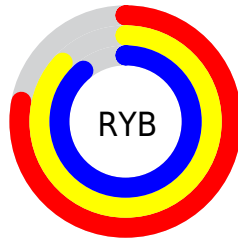
The RYB color **199, 223, 227** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **227, 199, 222**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is 255, 255, 255, and **145, 168, 172** is the 20% darker color. If you saturate the color by 10%, you get **176, 219, 227**, and if you desaturate by 10%, it is **222, 226, 227**.

Distribution



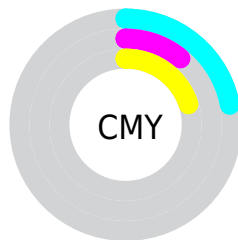
- Red (78%)
- Green (89%)
- Blue (80%)



- Red (78%)
- Yellow (87%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (22%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 223, 227 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 199, 223, 227 by changing the saturation by 10% instead.

 199, 223, 227


255, 255, 255

 199, 223, 227

 172, 196, 199

 145, 168, 172

 119, 141, 145

 94, 115, 119

 70, 91, 95

 47, 67, 71

 26, 44, 48

 2, 24, 28

 0, 0, 0

 199, 223, 227


 199, 223, 227

 176, 219, 227

 222, 226, 227

 154, 217, 227

 244, 227, 242

 131, 213, 227


 255, 227, 255

 108, 210, 227

 86, 207, 227

 63, 204, 227

 40, 200, 227

 17, 197, 227

 0, 194, 227

Harmonies

Analogous

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



193, 223, 200



199, 223, 227



186, 210, 229

Triad

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



199, 223, 227



203, 216, 250



252, 210, 206

Complementary

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



199, 223, 227



227, 199, 222

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.



250, 210, 221



199, 223, 227



222, 216, 246

Square

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



199, 223, 227



187, 210, 245



239, 212, 236



246, 225, 195

Rectangle

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



199, 223, 227



182, 206, 229



239, 212, 236



252, 210, 211

Sweetspot

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



199, 223, 227



245, 253, 255



199, 227, 204



121, 127, 128



0, 0, 0



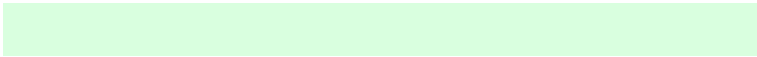
128, 128, 128

Same Dimension

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



199, 223, 227



217, 250, 255



199, 216, 227



103, 113, 115



0, 153, 179



0, 44, 51

Inverse Universe

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



227, 199, 222



255, 217, 249



227, 199, 208



115, 103, 113



179, 0, 149



51, 0, 42

Previews

White Background



This preview shows how the RYB color 199, 223, 227 looks on a white background.

Color Contrast Check

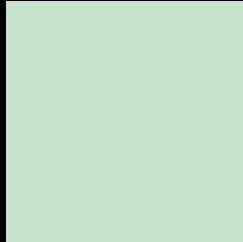
Large Text (above 18pt) WCAG AA × Fail

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 199, 223, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

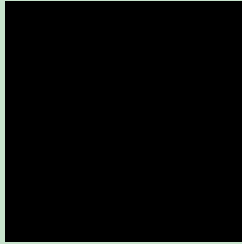
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

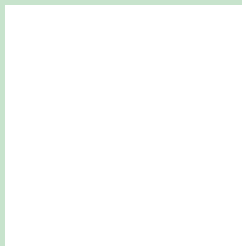
Any Text WCAG AAA ✓ Pass

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

R Y B 199, 223, 227 Background



This preview shows how black text looks on a background with the R Y B color 199, 223, 227.



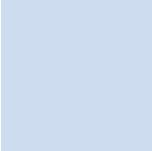
This preview shows how white text looks on a background with the R Y B color 199, 223, 227.

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





Tritanopia
205, 216, 239

Trichromacy



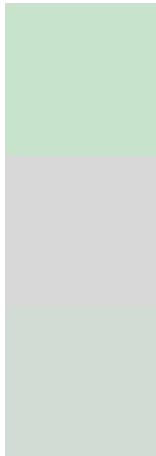
Original Color
199, 223, 227

Protanomaly
201, 222, 206

Deuteranomaly
228, 228, 206

Tritanomaly
203, 214, 226

Monochromacy



Original Color
199, 223, 227

Achromatopsia
216, 216, 216

Achromatomaly
210, 218, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 223, 227 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, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 204)  
}
```

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, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 204) }
```

Border

The CSS property to change the border of an element to RYB 199, 223, 227 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, 227, 204) }
```

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

```
.border{ border-color:rgb(199, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(199, 227,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 199, 223, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 204) }
```

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

```
.background{ background-color: rgb(199,  
227, 204) }
```

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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