

Converting Colors

`RYB(171, 228, 203)`

Have a look what the booklet for
RYB(171, 228, 203) contains.

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Color

R_YB(171, 228, 203)

Conversions

Conversions Part 1

Format	Color
Hex	C4E4AB
RGB	196, 228, 171
RGB Percent	77%, 89%, 67%
CMY	0.2314, 0.1059, 0.3294
CMYK	0.14, 0.00, 0.25, 0.11
HSL	94°, 51%, 78%
HSV	94°, 25%, 89%
XYZ	57.8590, 70.1628, 49.0214
YIQ	211.9340, -0.7750, -24.5110

Conversions

Conversions Part 2

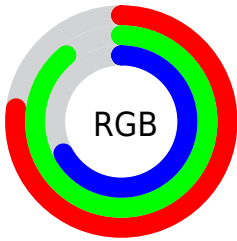
Format	Color
RYB	171, 228, 203
Decimal	12903595
CIELab	87.08, -20.54, 24.43
CIELCh	87, 31.919, 130.057
Yxy	70.1628, 0.3268, 0.3963
Android (android.graphics.Color)	4291093675 (0xFFC4E4AB)
YUV	211.9340, -20.1805, -13.9741
Hunter-Lab	83.7633, -23.2878, 23.9356

Details

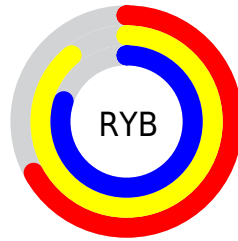
The RYB color **171, 228, 203** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **203, 171, 228**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **227, 255, 229**, and **118, 172, 148** is the 20% darker color. If you saturate the color by 10%, you get **148, 228, 193**, and if you desaturate by 10%, it is **194, 228, 213**.

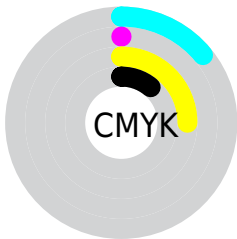
Distribution



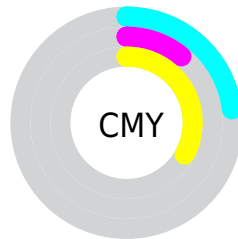
- Red (77%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (23%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 228, 203 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 171, 228, 203 by changing the saturation by 10% instead.

 171, 228, 203


255, 255, 255

 227, 255, 229

 171, 228, 203

 144, 200, 176

 118, 172, 148

 93, 146, 123

 69, 120, 99

 46, 95, 75

 24, 71, 52

 0, 49, 28

 0, 29, 29

 0, 0, 0

 171, 228, 203

 171, 228, 203

 148, 228, 193

 194, 228, 213

 125, 228, 183

 217, 228, 223

 103, 228, 173

 234, 228, 239

 80, 228, 163

 247, 228, 255

 57, 228, 153

 255, 228, 255

 34, 228, 143

 11, 228, 133

 0, 228, 128

Harmonies

Analogous

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



171, 230, 158



171, 228, 203



161, 209, 233

Triad

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



171, 228, 203



153, 196, 255



255, 196, 209

Complementary

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



171, 228, 203



203, 171, 228

Split Complementary

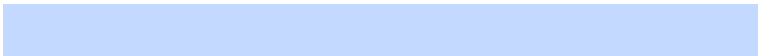
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 199, 239



171, 228, 203



195, 211, 255

Square

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



171, 228, 203



128, 185, 255



236, 207, 255



255, 207, 180

Rectangle

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



171, 228, 203



141, 193, 235



236, 207, 255



255, 196, 219

Sweetspot

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



171, 228, 203



235, 255, 246



219, 228, 171



115, 128, 123



0, 0, 0



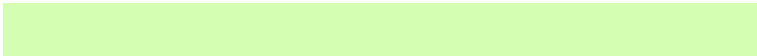
128, 128, 128

Same Dimension

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



171, 228, 203



179, 255, 222



171, 225, 228



103, 115, 110



0, 179, 101



0, 51, 29

Inverse Universe

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



203, 171, 228



221, 179, 255



228, 171, 225



110, 103, 115



100, 0, 179



29, 0, 51

Previews

White Background



This preview shows how the RYB color 171, 228, 203 looks on a white background.

Color Contrast Check

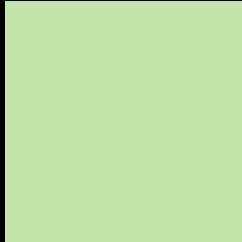
Large Text (above 18pt) WCAG AA × Fail

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 171, 228, 203 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

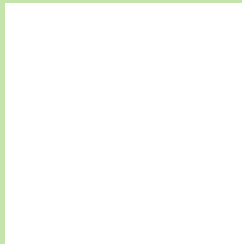
Any Text WCAG AAA ✓ Pass

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

RYB 171, 228, 203 Background



This preview shows how black text looks on a background with the RYB color 171, 228, 203.

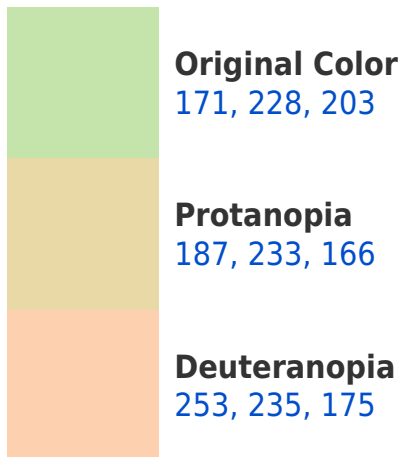


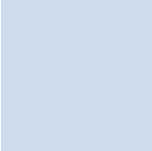
This preview shows how white text looks on a background with the RYB color 171, 228, 203.

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](#).

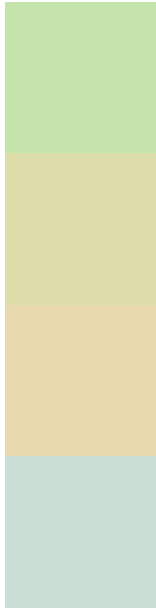
Dichromacy





Tritanopia
206, 215, 237

Trichromacy



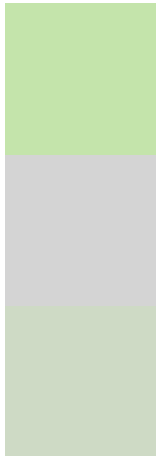
Original Color
171, 228, 203

Protanomaly
168, 221, 169

Deuteranomaly
196, 232, 174

Tritanomaly
202, 215, 222

Monochromacy



Original Color
171, 228, 203

Achromatopsia
212, 212, 212

Achromatomaly
197, 218, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 228, 203 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(196, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(196, 228, 171)  
}
```

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(196, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 228, 171) }
```

Border

The CSS property to change the border of an element to RYB 171, 228, 203 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(196, 228, 171) }
```

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

```
.border{ border-color:rgb(196, 228, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 228, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 228, 171);  
box-shadow:4px 4px 4px 4px rgb(196, 228,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 171, 228, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 228, 171) }
```

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

```
.background{ background-color: rgb(196,  
228, 171) }
```

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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