

Converting Colors

`RYB(171, 232, 203)`

Have a look what the booklet for
RYB(171, 232, 203) contains.

RYB(171, 232, 203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(171, 232, 203)

Conversions

Conversions Part 1

Format	Color
Hex	C8E8AB
RGB	200, 232, 171
RGB Percent	78%, 91%, 67%
CMY	0.2157, 0.0902, 0.3294
CMYK	0.14, 0.00, 0.26, 0.09
HSL	91°, 57%, 79%
HSV	91°, 26%, 91%
XYZ	60.0267, 72.9329, 49.4418
YIQ	215.4780, 0.5090, -25.7550

Conversions

Conversions Part 2

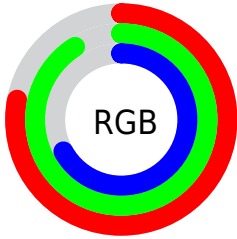
Format	Color
RYB	171, 232, 203
Decimal	13166763
CIELab	88.42, -21.09, 26.30
CIElCh	88, 33.712, 128.717
Yxy	72.9329, 0.3291, 0.3998
Android (android.graphics.Color)	4291356843 (0xFFC8E8AB)
YUV	215.4780, -21.9277, -13.5742
Hunter-Lab	85.4007, -23.9867, 25.4552

Details

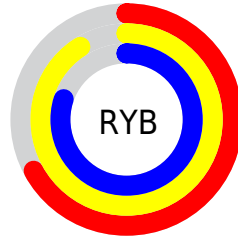
The RYB color **171, 232, 203** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **203, 171, 232**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **227, 255, 227**, and **118, 176, 149** is the 20% darker color. If you saturate the color by 10%, you get **148, 232, 192**, and if you desaturate by 10%, it is **194, 232, 214**.

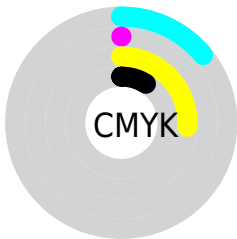
Distribution



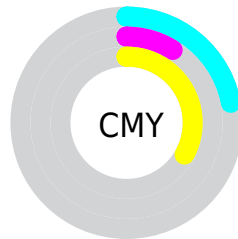
- Red (78%)
- Green (91%)
- Blue (67%)



- Red (67%)
- Yellow (91%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 232, 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, 232, 203 by changing the saturation by 10% instead.


 171, 232, 203


255, 255, 255

 227, 255, 227

 171, 232, 203

 144, 204, 176

 118, 176, 149

 93, 150, 124

 69, 124, 99

 46, 99, 76

 24, 75, 53

 0, 52, 29

 0, 31, 31

 0, 0, 0

 171, 232, 203

 171, 232, 203

 148, 232, 192

 194, 232, 214

 125, 232, 181

 217, 232, 225

 101, 232, 170

 237, 232, 241

 78, 232, 159

 249, 232, 255

 55, 232, 148

 255, 232, 255

 32, 232, 137

 9, 232, 126

 0, 232, 122

Harmonies

Analogous

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



174, 236, 158



171, 232, 203



163, 214, 238

Triad

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



171, 232, 203



150, 196, 255



255, 198, 214

Complementary

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



171, 232, 203



203, 171, 232

Split Complementary

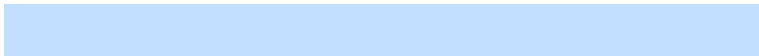
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 201, 246



171, 232, 203



195, 214, 255

Square

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



171, 232, 203



124, 185, 255



239, 210, 255



255, 211, 183

Rectangle

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



171, 232, 203



141, 196, 240



239, 210, 255



255, 198, 224

Sweetspot

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



171, 232, 203



235, 255, 246



226, 232, 171



115, 128, 122



0, 0, 0



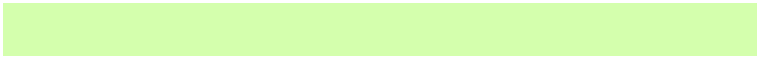
128, 128, 128

Same Dimension

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



171, 232, 203



173, 255, 216



171, 231, 232



103, 115, 109



0, 179, 94



0, 51, 27

Inverse Universe

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



203, 171, 232



216, 173, 255



232, 171, 231



109, 103, 115



94, 0, 179



27, 0, 51

Previews

White Background



This preview shows how the RYB color 171, 232, 203 looks on a white background.

Color Contrast Check

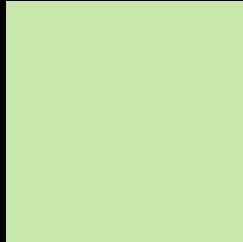
Large Text (above 18pt) WCAG AA × Fail

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, 232, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

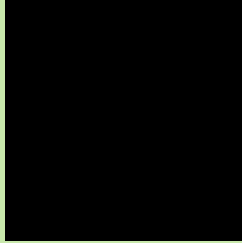
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

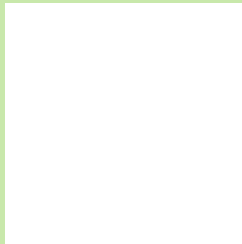
Any Text WCAG AAA ✓ Pass

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

RYB 171, 232, 203 Background



This preview shows how black text looks on a background with the RYB color 171, 232, 203.

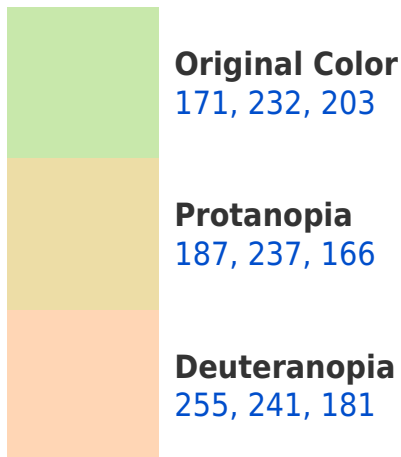


This preview shows how white text looks on a background with the RYB color 171, 232, 203.

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](#).

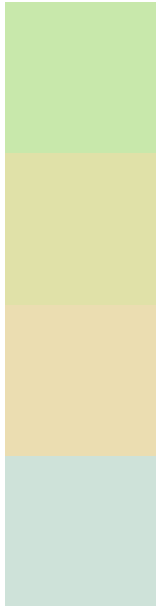
Dichromacy





Tritanopia
210, 219, 241

Trichromacy



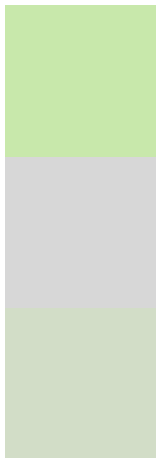
Original Color
171, 232, 203

Protanomaly
168, 225, 169

Deuteranomaly
195, 235, 177

Tritanomaly
206, 219, 226

Monochromacy



Original Color
171, 232, 203

Achromatopsia
215, 215, 215

Achromatomaly
199, 221, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 232, 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(200, 232, 171)` looks like.

```
.text, #text, p{  
    color:rgb(200, 232, 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(200, 232, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 232, 171) }
```

Border

The CSS property to change the border of an element to RYB 171, 232, 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(200, 232, 171) }
```

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

```
.border{ border-color:rgb(200, 232, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 232, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 232, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 232, 171);  
box-shadow:4px 4px 4px 4px rgb(200, 232,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 171, 232, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 232, 171) }
```

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

```
.background{ background-color: rgb(200,  
232, 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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