

Converting Colors

`RYB(175, 232, 212)`

Have a look what the booklet for
RYB(175, 232, 212) contains.

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Color

R_YB(175, 232, 212)

Conversions

Conversions Part 1

Format	Color
Hex	C3E8AF
RGB	195, 232, 175
RGB Percent	76%, 91%, 69%
CMY	0.2353, 0.0902, 0.3137
CMYK	0.16, 0.00, 0.25, 0.09
HSL	99°, 55%, 80%
HSV	99°, 25%, 91%
XYZ	59.1002, 72.4105, 51.4192
YIQ	214.4390, -3.7550, -25.5710

Conversions

Conversions Part 2

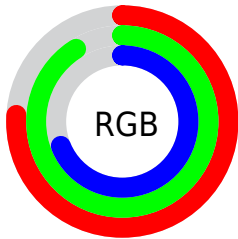
Format	Color
RYB	175, 232, 212
Decimal	12839087
CIELab	88.17, -22.23, 23.85
CIELCh	88, 32.602, 132.984
Yxy	72.4105, 0.3231, 0.3958
Android (android.graphics.Color)	4291029167 (0xFFC3E8AF)
YUV	214.4390, -19.4434, -17.0480
Hunter-Lab	85.0943, -24.9424, 23.7394

Details

The RYB color **175, 232, 212** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **212, 175, 232**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **231, 255, 234**, and **122, 176, 157** is the 20% darker color. If you saturate the color by 10%, you get **152, 232, 204**, and if you desaturate by 10%, it is **198, 232, 220**.

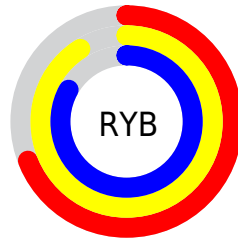
Distribution



Red (76%)

Green (91%)

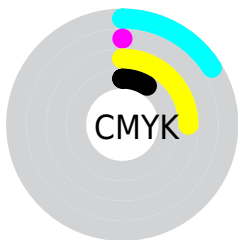
Blue (69%)



Red (69%)

Yellow (91%)

Blue (83%)

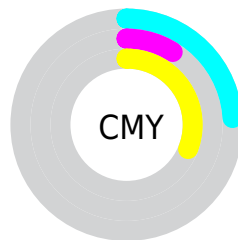


Cyan (16%)

Magenta (0%)

Yellow (25%)

Black (9%)



Cyan (24%)

Magenta (9%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 232, 212 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 175, 232, 212 by changing the saturation by 10% instead.


 175, 232, 212


255, 255, 255


 231, 255, 234

 175, 232, 212


 148, 204, 185

 122, 176, 157


 97, 149, 131

 73, 124, 108

 50, 98, 83

 28, 74, 61

 4, 52, 37

 0, 31, 31

 0, 0, 0

 175, 232, 212

 175, 232, 212

 152, 232, 204

 198, 232, 220

 129, 232, 196

 221, 232, 228

 105, 232, 187

 240, 232, 245

 82, 232, 179

 255, 232, 255

 59, 232, 171

 36, 232, 163

 13, 232, 155

 0, 232, 151

Harmonies

Analogous

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



167, 230, 160



175, 232, 212



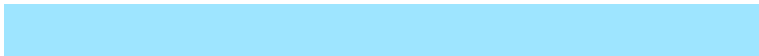
160, 210, 237

Triad

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



175, 232, 212



158, 199, 255



255, 199, 209

Complementary

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



175, 232, 212



212, 175, 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, 240



175, 232, 212



202, 215, 255

Square

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



175, 232, 212



130, 187, 255



243, 209, 255



255, 215, 180

Rectangle

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



175, 232, 212



140, 194, 239



243, 209, 255



255, 198, 219

Sweetspot

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



175, 232, 212



237, 255, 249



208, 232, 175



117, 128, 124



0, 0, 0



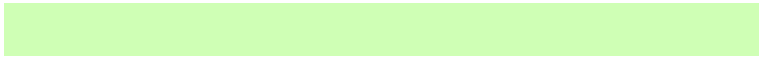
128, 128, 128

Same Dimension

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



175, 232, 212



181, 255, 229



175, 225, 232



103, 115, 111



0, 179, 116



0, 51, 33

Inverse Universe

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



212, 175, 232



229, 181, 255



232, 175, 224



111, 103, 115



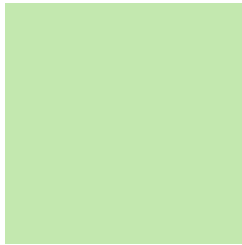
116, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 175, 232, 212 looks on a white background.

Color Contrast Check

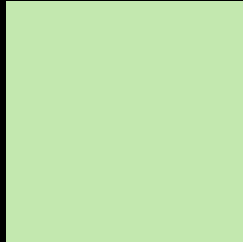
Large Text (above 18pt) WCAG AA × Fail

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 175, 232, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

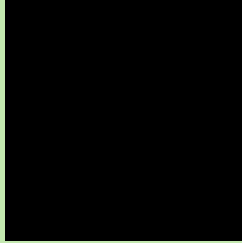
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

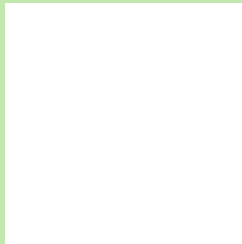
Any Text WCAG AAA ✓ Pass

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

RYB 175, 232, 212 Background



This preview shows how black text looks on a background with the RYB color 175, 232, 212.

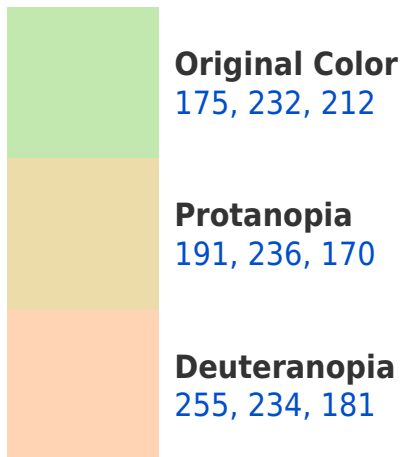


This preview shows how white text looks on a background with the RYB color 175, 232, 212.

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





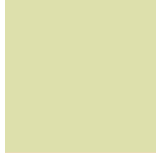
Tritanopia
205, 217, 241

Trichromacy



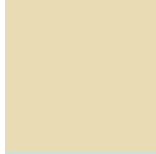
Original Color

175, 232, 212



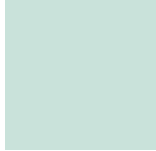
Protanomaly

172, 224, 175



Deuteranomaly

198, 233, 179



Tritanomaly

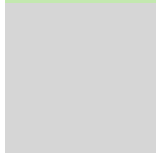
201, 216, 226

Monochromacy



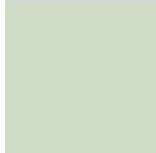
Original Color

175, 232, 212



Achromatopsia

214, 214, 214



Achromatomaly

200, 221, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 232, 212 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(195, 232, 175)` looks like.

```
.text, #text, p{  
    color:rgb(195, 232, 175)  
}
```

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(195, 232, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 232, 175) }
```

Border

The CSS property to change the border of an element to RYB 175, 232, 212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

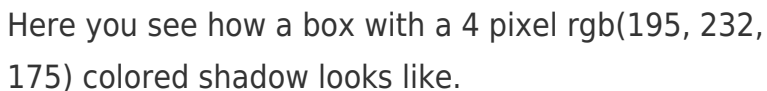
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 232, 175) }
```

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

```
.border{ border-color:rgb(195, 232, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 232, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 232, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 232, 175);  
box-shadow:4px 4px 4px 4px rgb(195, 232,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 175, 232, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 232, 175) }
```

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

```
.background{ background-color: rgb(195,  
232, 175) }
```

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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