

Converting Colors

`RYB(176, 229, 232)`

Have a look what the booklet for
RYB(176, 229, 232) contains.

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Color

R_YB(176, 229, 232)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8B3
RGB	176, 232, 179
RGB Percent	69%, 91%, 70%
CMY	0.3098, 0.0902, 0.2974
CMYK	0.24, 0.00, 0.23, 0.09
HSL	123°, 55%, 80%
HSV	123°, 24%, 91%
XYZ	54.9150, 70.2049, 53.3945
YIQ	209.2140, -16.3630, -28.3550

Conversions

Conversions Part 2

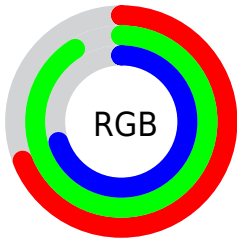
Format	Color
RYB	176, 229, 232
Decimal	11593907
CIELab	87.10, -27.94, 20.04
CIELCh	87, 34.385, 144.356
Yxy	70.2049, 0.3076, 0.3933
Android (android.graphics.Color)	4289783987 (0xFFB0E8B3)
YUV	209.2140, -14.8955, -29.1287
Hunter-Lab	83.7884, -29.6405, 20.8690

Details

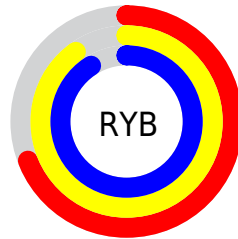
The RYB color **176, 229, 232** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **232, 176, 229**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **232, 252, 255**, and **122, 172, 176** is the 20% darker color. If you saturate the color by 10%, you get **153, 228, 232**, and if you desaturate by 10%, it is **199, 230, 232**.

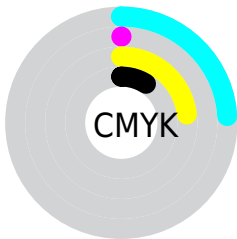
Distribution



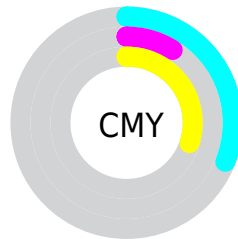
- Red (69%)
- Green (91%)
- Blue (70%)



- Red (69%)
- Yellow (90%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 229, 232 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 176, 229, 232 by changing the saturation by 10% instead.


 176, 229, 232


255, 255, 255


 232, 252, 255

 176, 229, 232


 149, 201, 204

 122, 172, 176


 96, 144, 149

 71, 118, 123

 46, 91, 98

 20, 64, 74

 0, 43, 51

 0, 32, 32

 0, 0, 0

 176, 229, 232

 176, 229, 232

 153, 228, 232

 199, 230, 232

 130, 227, 232

 222, 231, 232

 106, 224, 232

 246, 232, 245

 83, 224, 232

 255, 232, 255

 60, 223, 232

 37, 222, 232

 14, 221, 232

 0, 220, 232

Harmonies

Analogous

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



158, 224, 168



176, 229, 232



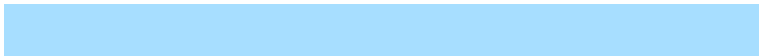
140, 195, 236

Triad

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



176, 229, 232



167, 201, 255



255, 195, 193

Complementary

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



176, 229, 232



232, 176, 229

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, 195, 226



176, 229, 232



215, 212, 255

Square

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



176, 229, 232



127, 185, 255



254, 201, 255



255, 229, 166

Rectangle

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



176, 229, 232



122, 180, 236



254, 201, 255



255, 194, 203

Sweetspot

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



176, 229, 232



237, 254, 255



176, 232, 179



117, 127, 128



0, 0, 0



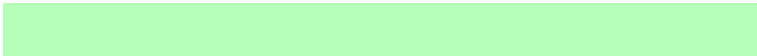
128, 128, 128

Same Dimension

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



176, 229, 232



181, 251, 255



176, 212, 232



103, 114, 115



0, 170, 179



0, 48, 51

Inverse Universe

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



232, 176, 229



255, 181, 251



232, 176, 201



115, 103, 114



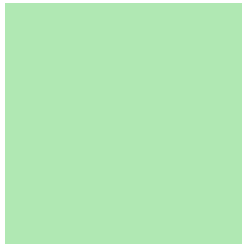
179, 0, 168



51, 0, 48

Previews

White Background



This preview shows how the RYB color 176, 229, 232 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 176, 229, 232 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 176, 229, 232 Background



This preview shows how black text looks on a background with the RYB color 176, 229, 232.

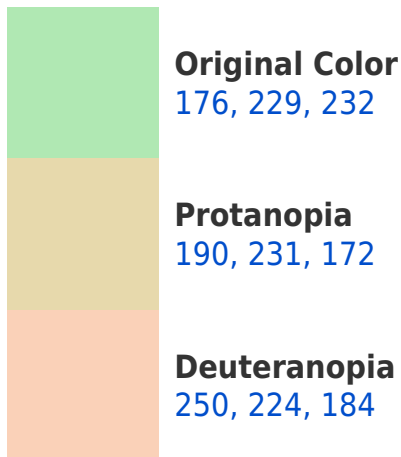


This preview shows how white text looks on a background with the RYB color 176, 229, 232.

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
187, 209, 241

Trichromacy



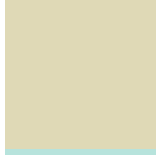
Original Color

176, 229, 232



Protanomaly

175, 222, 186



Deuteranomaly

189, 223, 182



Tritanomaly

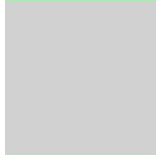
183, 207, 227

Monochromacy



Original Color

176, 229, 232



Achromatopsia

209, 209, 209



Achromatomaly

197, 216, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 229, 232 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(176, 232, 179)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 179)  
}
```

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(176, 232, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 179) }
```

Border

The CSS property to change the border of an element to RYB 176, 229, 232 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(176, 232, 179) }
```

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

```
.border{ border-color:rgb(176, 232, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 232, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 232, 179); box-shadow:4px 4px 4px 4px rgb(176, 232, 179) }
```

Background

The CSS property to change the background color of an element to RYB 176, 229, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 179) }
```

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

```
.background{ background-color: rgb(176,  
232, 179) }
```

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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