

Converting Colors

`RYB(181, 231, 229)`

Have a look what the booklet for
RYB(181, 231, 229) contains.

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Color

$\text{RYB}(181, 231, 229)$

Conversions

Conversions Part 1

Format	Color
Hex	B7E7B5
RGB	183, 231, 181
RGB Percent	72%, 91%, 71%
CMY	0.2824, 0.0941, 0.2902
CMYK	0.21, 0.00, 0.22, 0.09
HSL	118°, 51%, 81%
HSV	118°, 22%, 91%
XYZ	56.4448, 70.5553, 54.3596
YIQ	210.9480, -12.5580, -25.7260

Conversions

Conversions Part 2

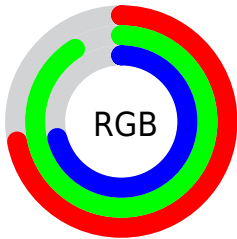
Format	Color
RYB	181, 231, 229
Decimal	12052405
CIELab	87.27, -24.85, 19.39
CIELCh	87, 31.518, 142.037
Yxy	70.5553, 0.3112, 0.3890
Android (android.graphics.Color)	4290242485 (0xFFB7E7B5)
YUV	210.9480, -14.7644, -24.5104
Hunter-Lab	83.9972, -27.0458, 20.4279

Details

The RYB color **181, 231, 229** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **229, 181, 231**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **237, 255, 252**, and **128, 175, 174** is the 20% darker color. If you saturate the color by 10%, you get **158, 231, 228**, and if you desaturate by 10%, it is **204, 231, 230**.

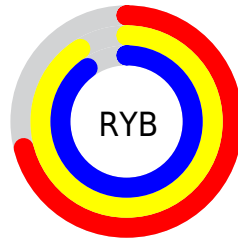
Distribution



Red (72%)

Green (91%)

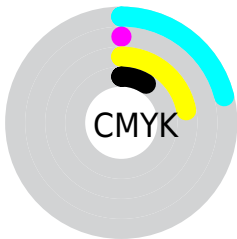
Blue (71%)



Red (71%)

Yellow (91%)

Blue (90%)

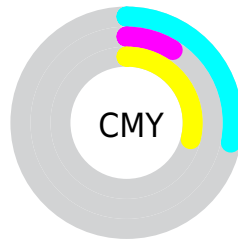


Cyan (21%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (28%)

Magenta (9%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 231, 229 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 181, 231, 229 by changing the saturation by 10% instead.

 181, 231, 229

 181, 231, 229


255, 255, 255

 154, 203, 201

 237, 255, 252

 128, 175, 174


 103, 148, 148

 78, 122, 122

 54, 96, 97

 30, 70, 73

 4, 43, 50

 0, 31, 31

 0, 0, 0

 181, 231, 229

 181, 231, 229

 158, 231, 228

 204, 231, 230

 135, 231, 227

 227, 231, 231

 112, 231, 227

 250, 231, 250

 89, 231, 226

 255, 231, 255

 66, 231, 225

 42, 231, 223

 19, 231, 222

 0, 231, 222

Harmonies

Analogous

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



163, 224, 170



181, 231, 229



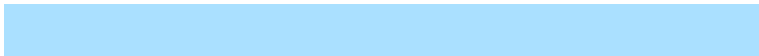
150, 200, 235

Triad

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



181, 231, 229



170, 203, 255



255, 198, 198

Complementary

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



181, 231, 229



229, 181, 231

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, 197, 228



181, 231, 229



213, 214, 255

Square

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



181, 231, 229



137, 189, 255



249, 204, 255



255, 223, 173

Rectangle

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



181, 231, 229



135, 187, 236



249, 204, 255



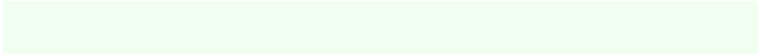
255, 197, 207

Sweetspot

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



181, 231, 229



240, 255, 255



183, 231, 181



119, 128, 128



0, 0, 0



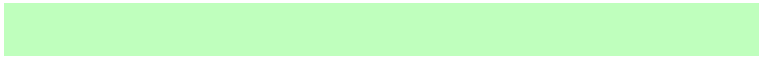
128, 128, 128

Same Dimension

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



181, 231, 229



189, 255, 253



181, 215, 231



103, 115, 114



0, 179, 172



0, 51, 49

Inverse Universe

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



229, 181, 231



252, 189, 255



231, 181, 209



114, 103, 115



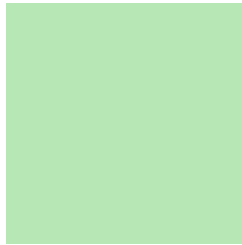
171, 0, 179



49, 0, 51

Previews

White Background



This preview shows how the RYB color 181, 231, 229 looks on a white background.

Color Contrast Check

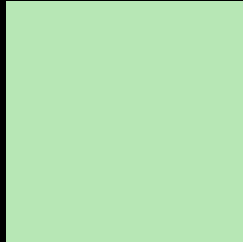
Large Text (above 18pt) WCAG AA × Fail

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 181, 231, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

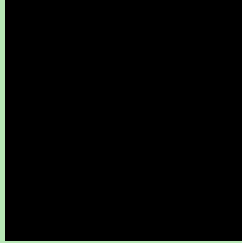
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

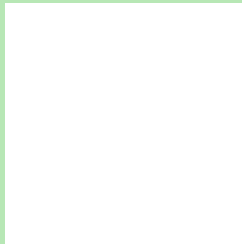
Any Text WCAG AAA ✓ Pass

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

RYB 181, 231, 229 Background



This preview shows how black text looks on a background with the RYB color 181, 231, 229.

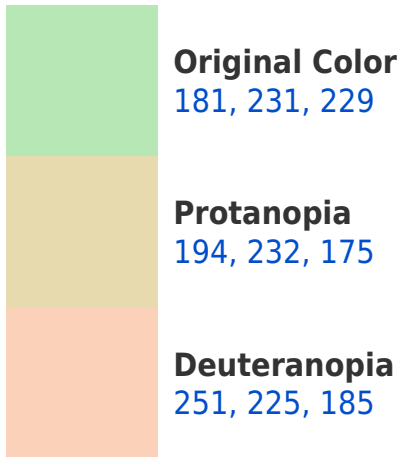


This preview shows how white text looks on a background with the RYB color 181, 231, 229.

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





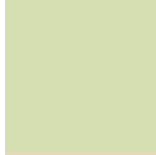
Tritanopia
193, 211, 241

Trichromacy



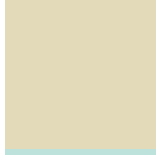
Original Color

181, 231, 229



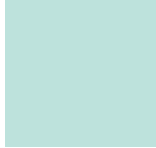
Protanomaly

177, 223, 186



Deuteranomaly

194, 226, 184



Tritanomaly

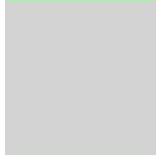
189, 209, 226

Monochromacy



Original Color

181, 231, 229



Achromatopsia

211, 211, 211



Achromatomaly

200, 218, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 231, 229 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(183, 231, 181)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 181)  
}
```

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(183, 231, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 181) }
```

Border

The CSS property to change the border of an element to RYB 181, 231, 229 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(183, 231, 181) }
```

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

```
.border{ border-color:rgb(183, 231, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 231, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 231, 181); box-shadow:4px 4px 4px 4px rgb(183, 231, 181) }
```

Background

The CSS property to change the background color of an element to RYB 181, 231, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 181) }
```

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

```
.background{ background-color: rgb(183,  
231, 181) }
```

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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