

Converting Colors

`RYB(181, 230, 191)`

Have a look what the booklet for
RYB(181, 230, 191) contains.

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Color

R_YB(181, 230, 191)

Conversions

Conversions Part 1

Format	Color
Hex	DCE6B5
RGB	220, 230, 181
RGB Percent	86%, 90%, 71%
CMY	0.1373, 0.0980, 0.2902
CMYK	0.04, 0.00, 0.21, 0.10
HSL	72°, 49%, 81%
HSV	72°, 21%, 90%
XYZ	66.1525, 75.1455, 54.7340
YIQ	221.4240, 9.7690, -17.3590

Conversions

Conversions Part 2

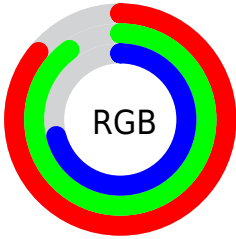
Format	Color
R _{YB}	181, 230, 191
Decimal	14476981
CIE Lab	89.46, -11.47, 22.81
CIE LCh	89, 25.527, 116.699
Yxy	75.1455, 0.3375, 0.3833
Android (android.graphics.Color)	4292667061 (0xFFDCE6B5)
YUV	221.4240, -19.9290, -1.2488
Hunter-Lab	86.6865, -15.4838, 23.2447

Details

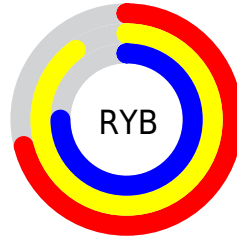
The RYB color **181, 230, 191** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **191, 181, 230**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **237, 255, 237**, and **128, 175, 138** is the 20% darker color. If you saturate the color by 10%, you get **158, 230, 173**, and if you desaturate by 10%, it is **204, 230, 209**.

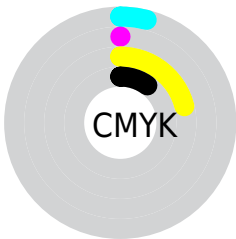
Distribution



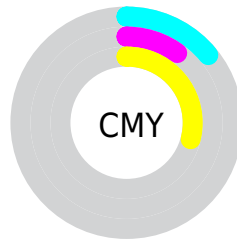
- Red (86%)
- Green (90%)
- Blue (71%)



- Red (71%)
- Yellow (90%)
- Blue (75%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)



- Cyan (14%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the RYB color 181, 230, 191 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, 230, 191 by changing the saturation by 10% instead.


 181, 230, 191


255, 255, 255


 237, 255, 237

 181, 230, 191

 154, 202, 164


 128, 175, 138


 103, 148, 113

 78, 122, 88

 55, 97, 65


 33, 74, 43

 11, 51, 21

 0, 30, 10

 0, 0, 0

 181, 230, 191

 181, 230, 191

 158, 230, 173

 204, 230, 209

 135, 230, 154

 227, 230, 228

 112, 230, 136

 234, 230, 250

 89, 230, 118

 239, 230, 255

 66, 230, 99

 243, 230, 255

 43, 230, 81

 248, 230, 255

 20, 230, 63

 253, 230, 255

 0, 230, 47

 255, 230, 255

Harmonies

Analogous

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



213, 246, 176



181, 230, 191



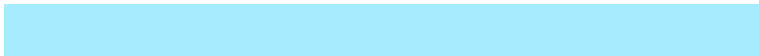
192, 232, 236

Triad

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



181, 230, 191



166, 205, 255



255, 208, 228

Complementary

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



181, 230, 191



191, 181, 230

Split Complementary

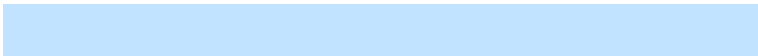
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



254, 212, 252



181, 230, 191



193, 215, 255

Square

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



181, 230, 191



157, 199, 246



226, 220, 255



255, 210, 204

Rectangle

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



181, 230, 191



175, 214, 238



226, 220, 255



255, 209, 237

Sweetspot

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



181, 230, 191



240, 255, 243



230, 194, 181



119, 128, 121



0, 0, 0



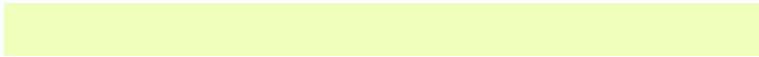
128, 128, 128

Same Dimension

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



181, 230, 191



189, 255, 203



181, 230, 215



103, 115, 106



0, 179, 37



0, 51, 10

Inverse Universe

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



191, 181, 230



202, 189, 255



215, 181, 230



106, 103, 115



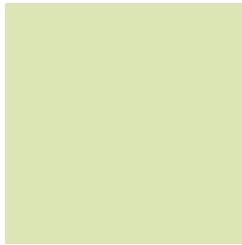
36, 0, 179



10, 0, 51

Previews

White Background



This preview shows how the RYB color 181, 230, 191 looks on a white background.

Color Contrast Check

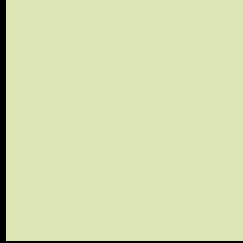
Large Text (above 18pt) WCAG AA × Fail

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, 230, 191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

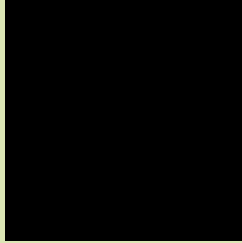
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

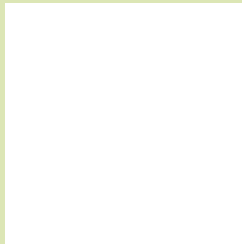
Any Text WCAG AAA ✓ Pass

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

RYB 181, 230, 191 Background



This preview shows how black text looks on a background with the RYB color 181, 230, 191.

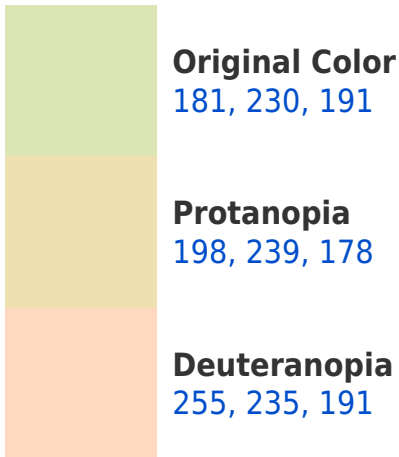


This preview shows how white text looks on a background with the RYB color 181, 230, 191.

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](#).

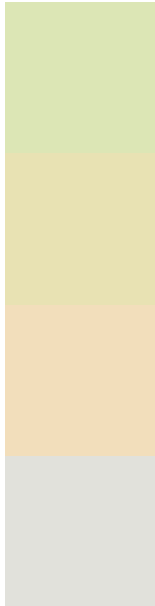
Dichromacy





Tritanopia
228, 222, 240

Trichromacy



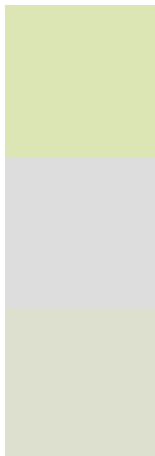
Original Color
181, 230, 191

Protanomaly
186, 232, 179

Deuteranomaly
218, 242, 187

Tritanomaly
219, 225, 219

Monochromacy



Original Color
181, 230, 191

Achromatopsia
221, 221, 221

Achromatomaly
206, 224, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 230, 191 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(220, 230, 181)` looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 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(220, 230, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 181) }
```

Border

The CSS property to change the border of an element to RYB 181, 230, 191 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(220, 230, 181) }
```

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

```
.border{ border-color:rgb(220, 230, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 230, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 230, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 230, 181); box-shadow:4px 4px 4px 4px rgb(220, 230, 181) }
```

Background

The CSS property to change the background color of an element to RYB 181, 230, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 181) }
```

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

```
.background{ background-color: rgb(220,  
230, 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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