

Converting Colors

`RYB(161, 230, 202)`

Have a look what the booklet for
RYB(161, 230, 202) contains.

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Color

R_YB(161, 230, 202)

Conversions

Conversions Part 1

Format	Color
Hex	BDE6A1
RGB	189, 230, 161
RGB Percent	74%, 90%, 63%
CMY	0.2588, 0.0980, 0.3686
CMYK	0.18, 0.00, 0.30, 0.10
HSL	96°, 58%, 77%
HSV	96°, 30%, 90%
XYZ	55.7161, 69.9857, 44.2902
YIQ	209.8750, -2.2870, -30.1510

Conversions

Conversions Part 2

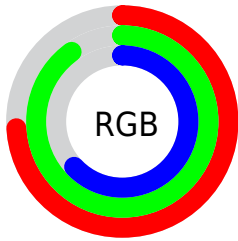
Format	Color
RYB	161, 230, 202
Decimal	12445345
CIELab	86.99, -25.46, 29.38
CIElCh	87, 38.880, 130.916
Yxy	69.9857, 0.3278, 0.4117
Android (android.graphics.Color)	4290635425 (0xFFBDE6A1)
YUV	209.8750, -24.0954, -18.3074
Hunter-Lab	83.6574, -27.5190, 27.1707

Details

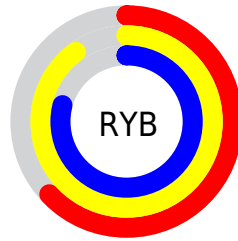
The RYB color **161, 230, 202** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **202, 161, 230**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **216, 255, 225**, and **109, 174, 148** is the 20% darker color. If you saturate the color by 10%, you get **138, 230, 193**, and if you desaturate by 10%, it is **184, 230, 211**.

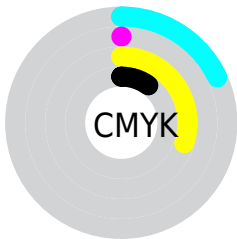
Distribution



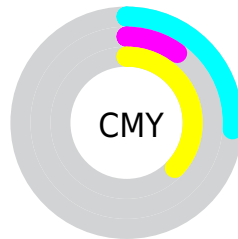
- Red (74%)
- Green (90%)
- Blue (63%)



- Red (63%)
- Yellow (90%)
- Blue (79%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)



- Cyan (26%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 161, 230, 202 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 161, 230, 202 by changing the saturation by 10% instead.

 161, 230, 202

255, 255, 255


 216, 255, 225


 245, 255, 245

 161, 230, 202

 134, 202, 175

 109, 174, 148


 84, 148, 123

 60, 122, 99

 37, 97, 75

 14, 73, 53

 0, 50, 38

 0, 31, 31

 0, 0, 0

 161, 230, 202

 161, 230, 202

 138, 230, 193

 184, 230, 211

 115, 230, 183

 207, 230, 221

 92, 230, 174

 230, 230, 230

 69, 230, 165

 244, 230, 253

 46, 230, 155

 255, 230, 255

 23, 230, 146

 0, 230, 137

Harmonies

Analogous

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



156, 230, 145



161, 230, 202



145, 205, 236

Triad

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



161, 230, 202



132, 186, 255



255, 190, 206

Complementary

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



161, 230, 202



202, 161, 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.



255, 193, 243



161, 230, 202



189, 209, 255

Square

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



161, 230, 202



94, 169, 255



240, 204, 255



255, 207, 171

Rectangle

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



161, 230, 202



117, 183, 238



240, 204, 255



255, 190, 218

Sweetspot

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



161, 230, 202



232, 255, 246



211, 230, 161



113, 128, 122



0, 0, 0



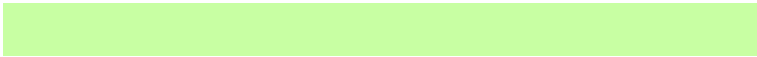
128, 128, 128

Same Dimension

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



161, 230, 202



163, 255, 218



161, 224, 230



103, 115, 110



0, 179, 107



0, 51, 30

Inverse Universe

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



202, 161, 230



218, 163, 255



230, 161, 224



110, 103, 115



106, 0, 179



30, 0, 51

Previews

White Background



This preview shows how the RYB color 161, 230, 202 looks on a white background.

Color Contrast Check

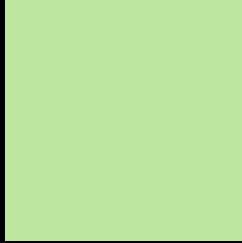
Large Text (above 18pt) WCAG AA × Fail

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 161, 230, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

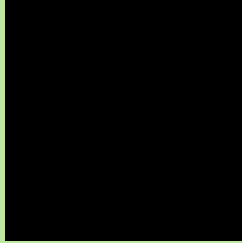
Any Text WCAG AA ✓ Pass

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 161, 230, 202 Background



This preview shows how black text looks on a background with the RYB color 161, 230, 202.

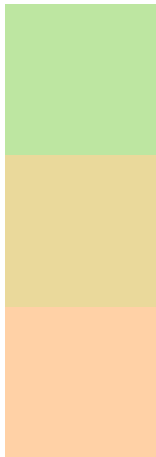


This preview shows how white text looks on a background with the RYB color 161, 230, 202.

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



Original Color
161, 230, 202

Protanopia
177, 234, 155

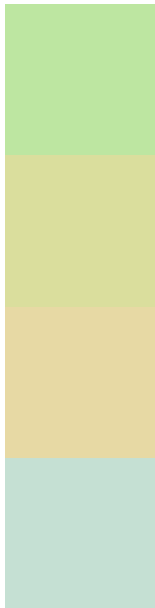
Deuteranopia
255, 249, 166



Tritanopia

201, 214, 238

Trichromacy



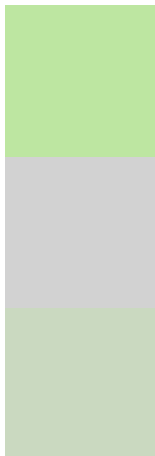
Original Color
161, 230, 202

Protanomaly
157, 222, 161

Deuteranomaly
182, 231, 164

Tritanomaly
197, 215, 224

Monochromacy



Original Color
161, 230, 202

Achromatopsia
210, 210, 210

Achromatomaly
192, 217, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 161, 230, 202 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(189, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 230, 161)  
}
```

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(189, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 230, 161) }
```

Border

The CSS property to change the border of an element to RYB 161, 230, 202 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(189, 230, 161) }
```

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

```
.border{ border-color:rgb(189, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 230,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 161, 230, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 230, 161) }
```

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

```
.background{ background-color: rgb(189,  
230, 161) }
```

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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