

Converting Colors

`RYB(137, 220, 158)`

Have a look what the booklet for
RYB(137, 220, 158) contains.

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Color

R_YB(137, 220, 158)

Conversions

Conversions Part 1

Format	Color
Hex	C7DC89
RGB	199, 220, 137
RGB Percent	78%, 86%, 54%
CMY	0.2196, 0.1373, 0.4627
CMYK	0.10, 0.00, 0.38, 0.14
HSL	75°, 54%, 70%
HSV	75°, 38%, 86%
XYZ	53.6617, 65.1347, 33.4109
YIQ	204.2590, 14.1270, -30.2650

Conversions

Conversions Part 2

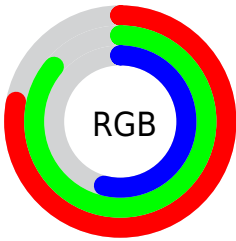
Format	Color
RYB	137, 220, 158
Decimal	13098121
CIELab	84.55, -20.17, 38.47
CIELCh	85, 43.436, 117.668
Yxy	65.1347, 0.3526, 0.4279
Android (android.graphics.Color)	4291288201 (0xFFC7DC89)
YUV	204.2590, -33.1587, -4.6121
Hunter-Lab	80.7060, -22.5503, 31.9492

Details

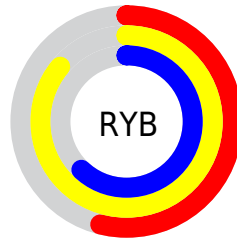
The RYB color **137, 220, 158** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **158, 137, 220**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **191, 255, 191**, and **86, 165, 107** is the 20% darker color. If you saturate the color by 10%, you get **115, 220, 142**, and if you desaturate by 10%, it is **159, 220, 174**.

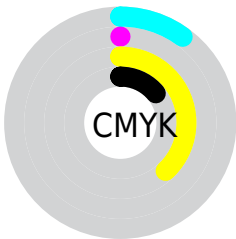
Distribution



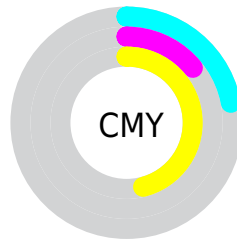
- Red (78%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (62%)



- Cyan (10%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)



- Cyan (22%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 220, 158 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 137, 220, 158 by changing the saturation by 10% instead.

 137, 220, 158


255, 255, 255


 191, 255, 191


 219, 255, 219

 248, 255, 248

 137, 220, 158


 111, 192, 132

 86, 165, 107

 61, 139, 83

 37, 113, 58

 10, 89, 32

 0, 65, 22

 0, 43, 25

 0, 25, 25

 0, 0, 0

 137, 220, 158

 137, 220, 158

 115, 220, 142

 159, 220, 174

 93, 220, 125

 181, 220, 191

 71, 220, 109

 203, 220, 207

 49, 220, 92

 221, 220, 225

 27, 220, 76

 227, 220, 247

 5, 220, 59

 232, 220, 255

 0, 220, 56

 238, 220, 255

 244, 220, 255

 249, 220, 255

Harmonies

Analogous

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



178, 241, 129



137, 220, 158



151, 216, 229

Triad

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



137, 220, 158



75, 157, 255



255, 179, 216

Complementary

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



137, 220, 158



158, 137, 220

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, 187, 255



137, 220, 158



146, 189, 255

Square

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



137, 220, 158



44, 142, 248



211, 202, 255



255, 183, 175

Rectangle

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



137, 220, 158



115, 186, 232



211, 202, 255



255, 181, 230

Sweetspot

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



137, 220, 158



227, 255, 234



220, 165, 137



111, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



137, 220, 158



140, 255, 169



137, 220, 199



99, 110, 102



0, 173, 43



0, 46, 12

Inverse Universe

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



158, 137, 220



169, 140, 255



199, 137, 220



101, 99, 110



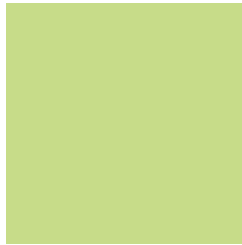
44, 0, 173



12, 0, 46

Previews

White Background



This preview shows how the RYB color 137, 220, 158 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 137, 220, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

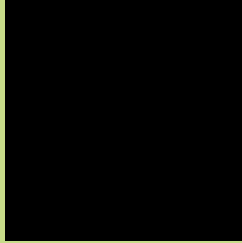
Any Text WCAG AA ✓ Pass

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 137, 220, 158 Background



This preview shows how black text looks on a background with the RYB color 137, 220, 158.

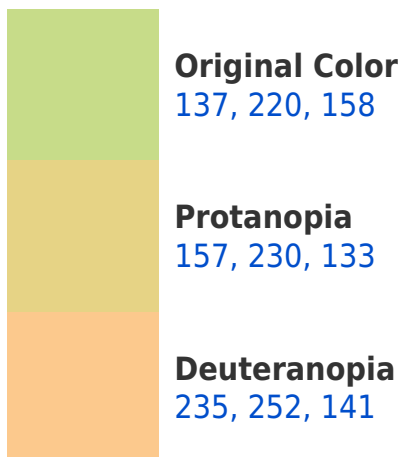


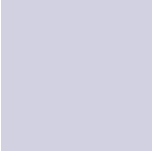
This preview shows how white text looks on a background with the RYB color 137, 220, 158.

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](#).

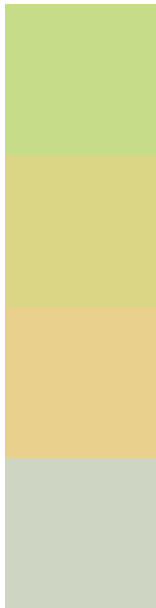
Dichromacy





Tritanopia
210, 209, 226

Trichromacy



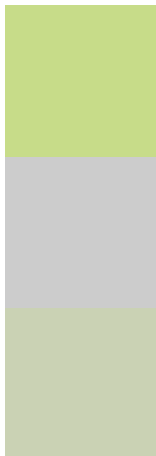
Original Color
137, 220, 158

Protanomaly
139, 219, 134

Deuteranomaly
174, 233, 140

Tritanomaly
194, 213, 201

Monochromacy



Original Color
137, 220, 158

Achromatopsia
204, 204, 204

Achromatomaly
180, 210, 188

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 220, 158 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(199, 220, 137) looks like.

```
.text, #text, p{  
    color:rgb(199, 220, 137)  
}
```

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(199, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 220, 137) }
```

Border

The CSS property to change the border of an element to RYB 137, 220, 158 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(199, 220, 137) }
```

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

```
.border{ border-color:rgb(199, 220, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 220, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 220, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 220, 137);  
box-shadow:4px 4px 4px 4px rgb(199, 220,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 137, 220, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 220, 137) }
```

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

```
.background{ background-color: rgb(199,  
220, 137) }
```

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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