

Converting Colors

`RYB(129, 222, 158)`

Have a look what the booklet for
RYB(129, 222, 158) contains.

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Color

R_YB(129, 222, 158)

Conversions

Conversions Part 1

Format	Color
Hex	C1DE81
RGB	193, 222, 129
RGB Percent	76%, 87%, 51%
CMY	0.2431, 0.1294, 0.4941
CMYK	0.13, 0.00, 0.42, 0.13
HSL	79°, 58%, 69%
HSV	79°, 42%, 87%
XYZ	52.0760, 65.1650, 30.6023
YIQ	202.7270, 12.5690, -35.0710

Conversions

Conversions Part 2

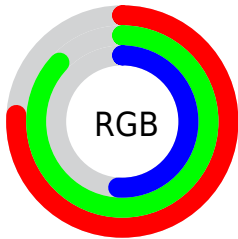
Format	Color
R _{YB}	129, 222, 158
Decimal	12705409
CIE Lab	84.57, -24.35, 42.39
CIE LCh	85, 48.882, 119.873
Yxy	65.1650, 0.3522, 0.4408
Android (android.graphics.Color)	4290895489 (0xFFC1DE81)
YUV	202.7270, -36.3474, -8.5306
Hunter-Lab	80.7248, -26.1171, 34.0309

Details

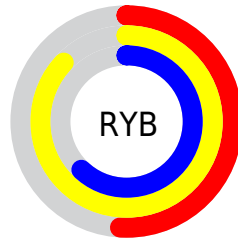
The RYB color **129, 222, 158** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **158, 129, 222**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **183, 255, 187**, and **78, 167, 107** is the 20% darker color. If you saturate the color by 10%, you get **107, 222, 143**, and if you desaturate by 10%, it is **151, 222, 173**.

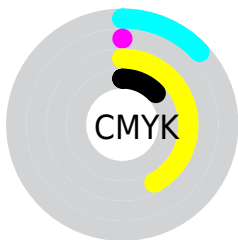
Distribution



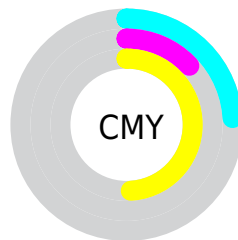
- Red (76%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (62%)



- Cyan (13%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (24%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 222, 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 129, 222, 158 by changing the saturation by 10% instead.

 129, 222, 158

255, 255, 255


 183, 255, 187

 211, 255, 211

 240, 255, 240

 129, 222, 158

 103, 194, 132

 78, 167, 107

 53, 140, 82

 27, 115, 57

 0, 90, 30

 0, 66, 29

 0, 44, 36


 0, 25, 25

 0, 0, 0

 129, 222, 158

 129, 222, 158

 107, 222, 143

 151, 222, 173

 85, 222, 128

 173, 222, 188

 62, 222, 112

 196, 222, 204

 40, 222, 97

 218, 222, 219

 18, 222, 82

 228, 222, 240

 0, 222, 69

 235, 222, 255

 241, 222, 255

 248, 222, 255

 255, 222, 255

Harmonies

Analogous

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



162, 241, 117



129, 222, 158



137, 211, 231

Triad

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



129, 222, 158



9, 125, 255



255, 174, 213

Complementary

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



129, 222, 158



158, 129, 222

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, 183, 255



129, 222, 158



139, 185, 255

Square

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



129, 222, 158



0, 122, 255



215, 199, 255



255, 179, 168

Rectangle

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



129, 222, 158



91, 174, 234



215, 199, 255



255, 176, 229

Sweetspot

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



129, 222, 158



222, 255, 232



222, 169, 129



107, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



129, 222, 158



128, 255, 168



129, 222, 203



101, 112, 104



0, 176, 55



0, 48, 15

Inverse Universe

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



158, 129, 222



167, 128, 255



203, 129, 222



104, 101, 112



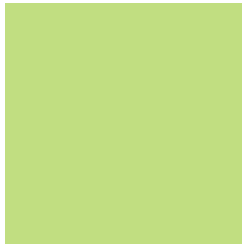
55, 0, 176



15, 0, 48

Previews

White Background



This preview shows how the RYB color 129, 222, 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 129, 222, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

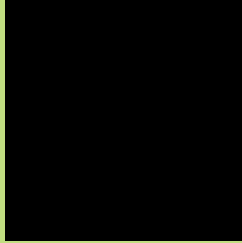
Any Text WCAG AA ✓ Pass

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 129, 222, 158 Background



This preview shows how black text looks on a background with the RYB color 129, 222, 158.

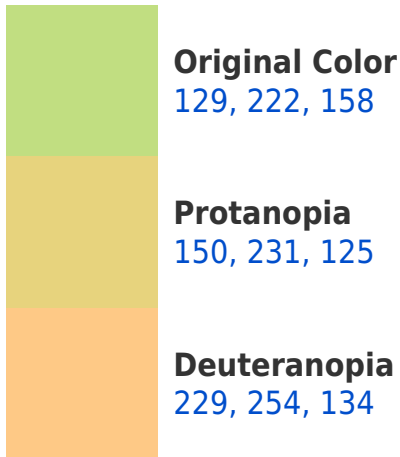


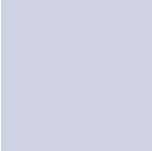
This preview shows how white text looks on a background with the RYB color 129, 222, 158.

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](#).

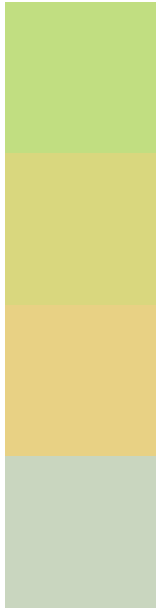
Dichromacy





Tritanopia
206, 209, 227

Trichromacy



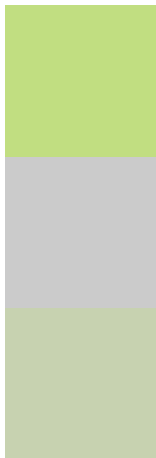
Original Color
129, 222, 158

Protanomaly
128, 217, 126

Deuteranomaly
162, 232, 132

Tritanomaly
191, 214, 204

Monochromacy



Original Color
129, 222, 158

Achromatopsia
203, 203, 203

Achromatomaly
176, 210, 187

CSS Examples

Text

The CSS property to change the color of the text to RGB 129, 222, 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(129, 222, 158) looks like.

```
.text, #text, p{  
    color:rgb(129, 222, 158)  
}
```

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(193, 222, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 129) }
```

Border

The CSS property to change the border of an element to RYB 129, 222, 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(193, 222, 129) }
```

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

```
.border{ border-color:rgb(193, 222, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 222, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 129);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 129, 222, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 222, 129) }
```

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

```
.background{ background-color: rgb(193,  
222, 129) }
```

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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