

Converting Colors

`RYB(137, 210, 131)`

Have a look what the booklet for
RYB(137, 210, 131) contains.

RYB(137, 210, 131)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(137, 210, 131)

Conversions

Conversions Part 1

Format	Color
Hex	D2CC83
RGB	210, 204, 131
RGB Percent	82%, 80%, 51%
CMY	0.1765, 0.1983, 0.4863
CMYK	0.00, 0.03, 0.38, 0.18
HSL	56°, 47%, 67%
HSV	56°, 38%, 82%
XYZ	52.3687, 58.7277, 30.0482
YIQ	197.4720, 27.0090, -21.4310

Conversions

Conversions Part 2

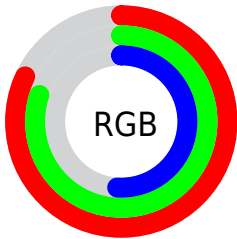
Format	Color
RYB	137, 210, 131
Decimal	13814915
CIELab	81.14, -8.81, 37.27
CIELCh	81, 38.301, 103.300
Yxy	58.7277, 0.3710, 0.4161
Android (android.graphics.Color)	4292004995 (0xFFD2CC83)
YUV	197.4720, -32.7707, 10.9871
Hunter-Lab	76.6340, -12.1294, 30.3962

Details

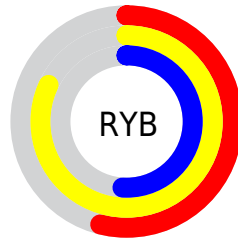
The RYB color **137, 210, 131** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **131, 137, 210**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **185, 255, 185**, and **84, 154, 80** is the 20% darker color. If you saturate the color by 10%, you get **118, 210, 110**, and if you desaturate by 10%, it is **156, 210, 152**.

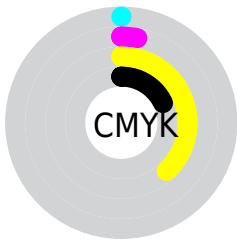
Distribution



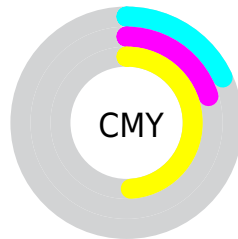
- Red (82%)
- Green (80%)
- Blue (51%)



- Red (54%)
- Yellow (82%)
- Blue (51%)



- Cyan (0%)
- Magenta (3%)
- Yellow (38%)
- Black (18%)



- Cyan (18%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 210, 131 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, 210, 131 by changing the saturation by 10% instead.

 137, 210, 131


255, 255, 255


 185, 255, 185


 213, 255, 213

 241, 255, 241

 137, 210, 131

 110, 182, 105

 84, 154, 80

 58, 127, 56

 33, 101, 32

 6, 76, 6

 0, 53, 1

 0, 32, 4

 0, 8, 8

 0, 0, 0

 137, 210, 131

 137, 210, 131

 118, 210, 110

 156, 210, 152

 99, 210, 89

 176, 210, 173

 79, 210, 68

 195, 210, 194

 60, 210, 47

 210, 210, 215

 40, 210, 26

 210, 212, 236

 20, 210, 5

 210, 213, 255

 16, 210, 0

 210, 215, 255

 210, 215, 255

 210, 217, 255

Harmonies

Analogous

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



231, 244, 133



137, 210, 131



148, 214, 192

Triad

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



137, 210, 131



77, 155, 250



255, 177, 223

Complementary

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



137, 210, 131



131, 137, 210

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.



226, 187, 254



137, 210, 131



121, 175, 255

Square

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



137, 210, 131



86, 155, 221



177, 195, 255



255, 174, 187

Rectangle

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



137, 210, 131



141, 198, 218



177, 195, 255



250, 179, 234

Sweetspot

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



137, 210, 131



229, 255, 227



210, 131, 138



113, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



137, 210, 131



149, 255, 140



131, 210, 164



95, 105, 94



13, 168, 0



3, 41, 0

Inverse Universe

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



131, 137, 210



140, 147, 255



164, 131, 210



94, 95, 105



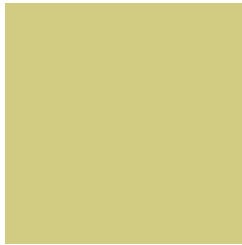
0, 11, 168



0, 3, 41

Previews

White Background



This preview shows how the RYB color 137, 210, 131 looks on a white background.

Color Contrast Check

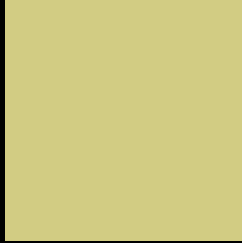
Large Text (above 18pt) WCAG AA × Fail

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, 210, 131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

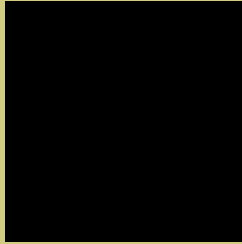
Any Text WCAG AA ✓ Pass

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, 210, 131 Background



This preview shows how black text looks on a background with the RYB color 137, 210, 131.



This preview shows how white text looks on a background with the RYB color 137, 210, 131.

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
137, 210, 131

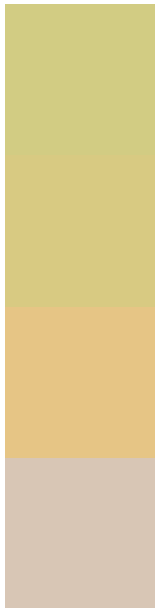
Protanopia
153, 219, 130

Deuteranopia
224, 242, 134



Tritanopia
219, 195, 210

Trichromacy



Original Color
137, 210, 131

Protanomaly
147, 216, 130

Deuteranomaly
183, 230, 133

Tritanomaly
216, 214, 181

Monochromacy



Original Color
137, 210, 131

Achromatopsia
198, 198, 198

Achromatomaly
176, 202, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 210, 131 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(210, 204, 131)` looks like.

```
.text, #text, p{  
    color:rgb(210, 204, 131)  
}
```

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(210, 204, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 204, 131) }
```

Border

The CSS property to change the border of an element to RYB 137, 210, 131 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(210, 204, 131) }
```

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

```
.border{ border-color:rgb(210, 204, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 204, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 204, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 204, 131);  
box-shadow:4px 4px 4px 4px rgb(210, 204,  
131) }
```

Background

The CSS property to change the background color of an element to RYB 137, 210, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 204, 131) }
```

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

```
.background{ background-color: rgb(210,  
204, 131) }
```

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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