

Converting Colors

`RYB(133, 217, 130)`

Have a look what the booklet for
RYB(133, 217, 130) contains.

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Color

R_YB(133, 217, 130)

Conversions

Conversions Part 1

Format	Color
Hex	D9D682
RGB	217, 214, 130
RGB Percent	85%, 84%, 51%
CMY	0.1490, 0.1604, 0.4902
CMYK	0.00, 0.01, 0.40, 0.15
HSL	58°, 53%, 68%
HSV	58°, 40%, 85%
XYZ	56.7164, 64.5072, 30.5810
YIQ	205.3210, 28.7520, -25.4880

Conversions

Conversions Part 2

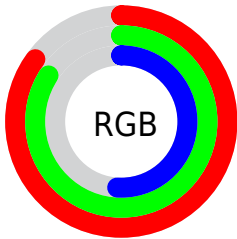
Format	Color
RYB	133, 217, 130
Decimal	14276226
CIELab	84.23, -11.08, 41.83
CIELCh	84, 43.274, 104.830
Yxy	64.5072, 0.3736, 0.4249
Android (android.graphics.Color)	4292466306 (0xFFD9D682)
YUV	205.3210, -37.1333, 10.2425
Hunter-Lab	80.3164, -14.5036, 33.6464

Details

The RYB color **133, 217, 130** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **130, 133, 217**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **184, 255, 184**, and **81, 161, 79** is the 20% darker color. If you saturate the color by 10%, you get **112, 217, 108**, and if you desaturate by 10%, it is **154, 217, 152**.

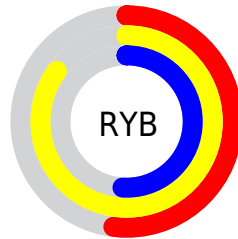
Distribution



Red (85%)

Green (84%)

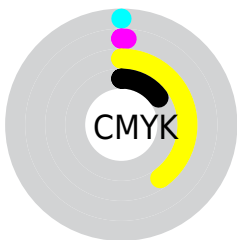
Blue (51%)



Red (52%)

Yellow (85%)

Blue (51%)

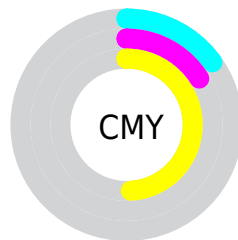


Cyan (0%)

Magenta (1%)

Yellow (40%)

Black (15%)



Cyan (15%)

Magenta (16%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 217, 130 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 133, 217, 130 by changing the saturation by 10% instead.

 133, 217, 130


255, 255, 255


 184, 255, 184


 212, 255, 212


 241, 255, 241

 133, 217, 130

 107, 189, 104

 80, 161, 79

 54, 133, 54

 29, 108, 30

 0, 84, 3

 0, 61, 4

 0, 39, 7

 0, 20, 20

 0, 0, 0

 133, 217, 130

 133, 217, 130

 112, 217, 108

 154, 217, 152

 91, 217, 87

 174, 217, 173

 70, 217, 65

 196, 217, 195

 49, 217, 43

 217, 217, 217

 29, 217, 22

 217, 218, 238

 7, 217, 0

 217, 218, 255

 217, 219, 255

 217, 220, 255

 217, 221, 255

Harmonies

Analogous

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



231, 255, 132



133, 217, 130



151, 225, 205

Triad

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



133, 217, 130



49, 145, 255



255, 181, 233

Complementary

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



133, 217, 130



130, 133, 217

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.



240, 192, 255



133, 217, 130



115, 175, 255

Square

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



133, 217, 130



63, 148, 232



184, 201, 255



255, 179, 191

Rectangle

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



133, 217, 130



138, 203, 229



184, 201, 255



255, 184, 246

Sweetspot

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



133, 217, 130



225, 255, 224



217, 130, 133



111, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



133, 217, 130



137, 255, 133



130, 217, 171



100, 110, 99



5, 173, 0



2, 46, 0

Inverse Universe

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



130, 133, 217



133, 137, 255



171, 130, 217



99, 99, 110



0, 6, 173



0, 2, 46

Previews

White Background



This preview shows how the RYB color 133, 217, 130 looks on a white background.

Color Contrast Check

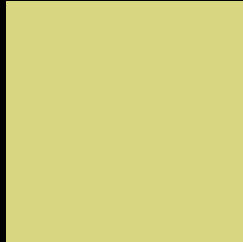
Large Text (above 18pt) WCAG AA × Fail

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 133, 217, 130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

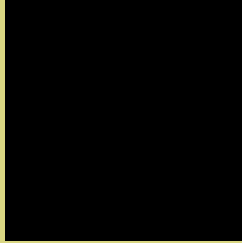
Any Text WCAG AA ✓ Pass

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 133, 217, 130 Background



This preview shows how black text looks on a background with the RYB color 133, 217, 130.



This preview shows how white text looks on a background with the RYB color 133, 217, 130.

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
133, 217, 130

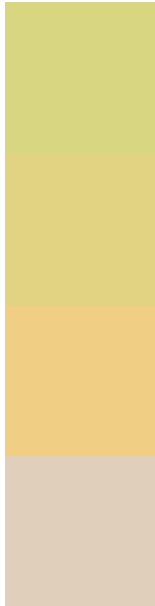
Protanopia
151, 229, 128

Deuteranopia
225, 253, 133



Tritanopia
227, 203, 219

Trichromacy



Original Color
133, 217, 130

Protanomaly
145, 225, 129

Deuteranomaly
182, 240, 132

Tritanomaly
216, 223, 187

Monochromacy



Original Color
133, 217, 130

Achromatopsia
205, 205, 205

Achromatomaly
179, 209, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 217, 130 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(217, 214, 130)` looks like.

```
.text, #text, p{  
    color:rgb(217, 214, 130)  
}
```

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(217, 214, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 130) }
```

Border

The CSS property to change the border of an element to RYB 133, 217, 130 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(217, 214, 130) }
```

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

```
.border{ border-color:rgb(217, 214, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 214, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 130);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
130) }
```

Background

The CSS property to change the background color of an element to RYB 133, 217, 130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 130) }
```

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

```
.background{ background-color: rgb(217,  
214, 130) }
```

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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