

# Converting Colors

`RYB(142, 227, 131)`

Have a look what the booklet for  
RYB(142, 227, 131) contains.

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# Color

**R<sub>Y</sub>B(142, 227, 131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D983
RGB	227, 217, 131
RGB Percent	89%, 85%, 51%
CMY	0.1098, 0.1485, 0.4863
CMYK	0.00, 0.04, 0.42, 0.11
HSL	54°, 63%, 70%
HSV	54°, 42%, 89%
XYZ	60.6219, 67.6628, 31.3378
YIQ	210.1860, 33.5660, -24.6260

# Conversions

## Conversions Part 2

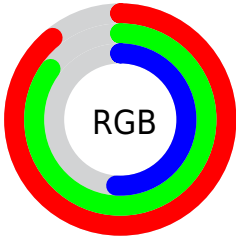
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 227, 131
Decimal	14932355
CIELab	85.84, -8.56, 43.53
CIELCh	86, 44.367, 101.124
Yxy	67.6628, 0.3798, 0.4239
Android (android.graphics.Color)	4293122435 (0xFFE3D983)
YUV	210.1860, -39.0387, 14.7459
Hunter-Lab	82.2574, -12.3999, 34.9923

# Details

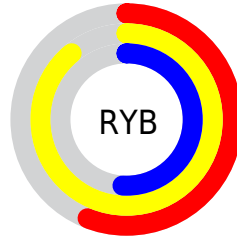
The RYB color **142, 227, 131** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **131, 140, 227**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **185, 255, 185**, and **89, 170, 80** is the 20% darker color. If you saturate the color by 10%, you get **121, 227, 108**, and if you desaturate by 10%, it is **163, 227, 154**.

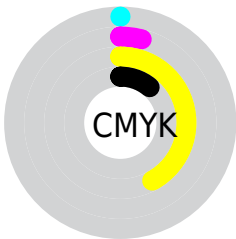
# Distribution



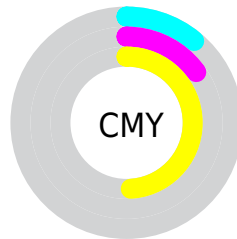
- Red (89%)
- Green (85%)
- Blue (51%)



- Red (56%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 142, 227, 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 142, 227, 131 by changing the saturation by 10% instead.




 142, 227, 131

255, 255, 255

 185, 255, 185


 213, 255, 213

 242, 255, 242

 142, 227, 131


 115, 198, 105

 89, 170, 80

 61, 142, 55

 34, 116, 29

 2, 89, 0

 1, 65, 0


 0, 42, 3

 0, 22, 11


 0, 0, 0

 142, 227, 131

 142, 227, 131

 121, 227, 108

 163, 227, 154

 103, 227, 86

 182, 227, 176

 82, 227, 63


 202, 227, 199

 61, 227, 40

 223, 227, 222

 42, 227, 17

 227, 229, 245

 26, 227, 0

 227, 231, 255

 227, 232, 255

 227, 234, 255

 227, 235, 255

# Harmonies

## Analogous

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



228, 255, 136



142, 227, 131



150, 228, 197

# Triad

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



142, 227, 131



39, 141, 255



255, 186, 243

# Complementary

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



142, 227, 131



131, 140, 227

# 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, 198, 255



142, 227, 131



107, 173, 255

# Square

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



142, 227, 131



69, 155, 237



180, 203, 255



255, 182, 200

# Rectangle

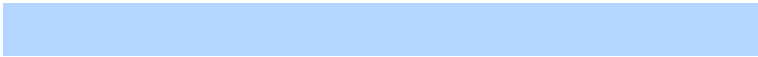
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



142, 227, 131



146, 212, 233



180, 203, 255



255, 189, 255



# Sweetspot

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



142, 227, 131



225, 255, 222



227, 131, 142



111, 128, 107



0, 0, 0



128, 128, 128



# Same Dimension

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



142, 227, 131



139, 255, 125



131, 227, 168



104, 115, 103



21, 179, 0



6, 51, 0



# Inverse Universe

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



131, 140, 227



125, 137, 255



168, 131, 227



103, 104, 115



0, 16, 179



0, 5, 51



# Previews

## White Background



This preview shows how the RYB color 142, 227, 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 142, 227, 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 142, 227, 131 Background**



This preview shows how black text looks on a background with the RYB color 142, 227, 131.



This preview shows how white text looks on a background with the RYB color 142, 227, 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**  
142, 227, 131

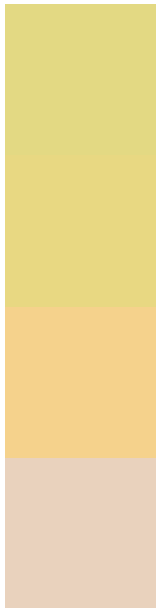
**Protanopia**  
155, 235, 130

**Deuteranopia**  
233, 255, 145



**Tritanopia**  
237, 206, 222

# Trichromacy



**Original Color**  
142, 227, 131

**Protanomaly**  
149, 232, 130

**Deuteranomaly**  
193, 245, 140

**Tritanomaly**  
233, 229, 189

# Monochromacy



**Original Color**  
142, 227, 131

**Achromatopsia**  
210, 210, 210

**Achromatomaly**  
184, 216, 181

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 142, 227, 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(227, 217, 131)` looks like.

```
.text, #text, p{  
    color:rgb(227, 217, 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(227, 217, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 217, 131) }
```

## Border

The CSS property to change the border of an element to RYB 142, 227, 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(227, 217, 131) }
```

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

```
.border{ border-color:rgb(227, 217, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 217, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 217, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 217, 131); box-shadow:4px 4px 4px 4px rgb(227, 217, 131) }
```

# Background

The CSS property to change the background color of an element to RYB 142, 227, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 217, 131) }
```

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

```
.background{ background-color: rgb(227,  
217, 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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