

Converting Colors

`RYB(167, 226, 142)`

Have a look what the booklet for
RYB(167, 226, 142) contains.

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Color

R_YB(167, 226, 142)

Conversions

Conversions Part 1

Format	Color
Hex	E2CF8E
RGB	226, 207, 142
RGB Percent	89%, 81%, 56%
CMY	0.1137, 0.1893, 0.4431
CMYK	0.00, 0.09, 0.37, 0.11
HSL	46°, 59%, 72%
HSV	46°, 37%, 89%
XYZ	58.4949, 62.6186, 34.5948
YIQ	205.2710, 32.1890, -16.1870

Conversions

Conversions Part 2

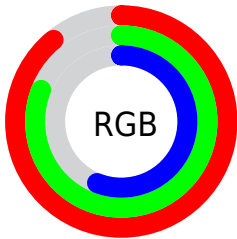
Format	Color
RYB	167, 226, 142
Decimal	14864270
CIELab	83.24, -2.46, 34.63
CIELCh	83, 34.720, 94.068
Yxy	62.6186, 0.3757, 0.4022
Android (android.graphics.Color)	4293054350 (0xFFE2CF8E)
YUV	205.2710, -31.1926, 18.1793
Hunter-Lab	79.1319, -6.5322, 29.4720

Details

The RYB color **167, 226, 142** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **142, 157, 226**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **196, 255, 196**, and **111, 169, 91** is the 20% darker color. If you saturate the color by 10%, you get **150, 226, 119**, and if you desaturate by 10%, it is **183, 226, 165**.

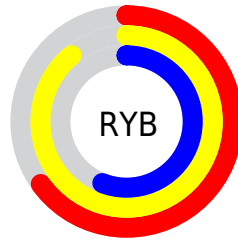
Distribution



Red (89%)

Green (81%)

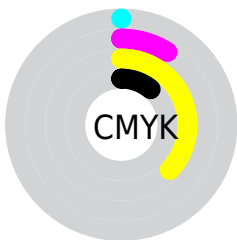
Blue (56%)



Red (65%)

Yellow (89%)

Blue (56%)

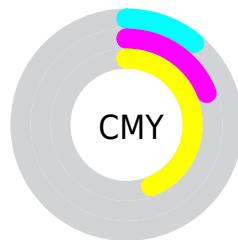


Cyan (0%)

Magenta (9%)

Yellow (37%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 226, 142 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 167, 226, 142 by changing the saturation by 10% instead.

 167, 226, 142

255, 255, 255


 196, 255, 196

 224, 255, 224

253, 255, 253

 167, 226, 142

 139, 197, 116


 111, 169, 91

 85, 142, 66

 59, 115, 43

 33, 90, 19

 12, 65, 0

 8, 41, 0

 0, 13, 1

 0, 0, 0

 167, 226, 142

 167, 226, 142

 150, 226, 119

 183, 226, 165

 136, 226, 97

 199, 226, 187

 119, 226, 74


 215, 226, 210

 104, 226, 52


 226, 227, 232

 87, 226, 29

 226, 232, 255

 71, 226, 6

 226, 234, 255

 68, 226, 0

 226, 237, 255

 226, 239, 255

 226, 240, 255

Harmonies

Analogous

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



254, 232, 150



167, 226, 142



152, 216, 177

Triad

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



167, 226, 142



102, 167, 243



253, 187, 237

Complementary

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



167, 226, 142



142, 157, 226

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.



218, 197, 255



167, 226, 142



125, 179, 255

Square

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



167, 226, 142



118, 175, 225



171, 197, 255



255, 183, 204

Rectangle

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



167, 226, 142



165, 218, 221



171, 197, 255



243, 190, 246

Sweetspot

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



167, 226, 142



235, 255, 227



226, 142, 162



116, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



167, 226, 142



174, 255, 140



142, 226, 164



103, 112, 101



52, 176, 0



14, 48, 0

Inverse Universe

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



142, 157, 226



140, 162, 255



164, 142, 226



101, 103, 112



0, 33, 176



0, 9, 48

Previews

White Background



This preview shows how the RYB color 167, 226, 142 looks on a white background.

Color Contrast Check

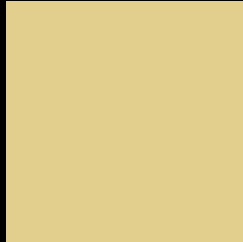
Large Text (above 18pt) WCAG AA × Fail

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 167, 226, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

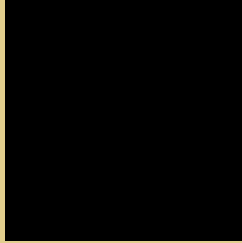
Any Text WCAG AA ✓ Pass

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 167, 226, 142 Background



This preview shows how black text looks on a background with the RYB color 167, 226, 142.



This preview shows how white text looks on a background with the RYB color 167, 226, 142.

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
167, 226, 142

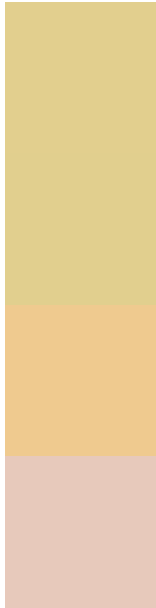
Protanopia
163, 224, 142

Deuteranopia
234, 247, 144



Tritanopia
234, 198, 213

Trichromacy



Original Color
167, 226, 142

Protanomaly
165, 225, 142

Deuteranomaly
203, 239, 143

Tritanomaly
231, 208, 187

Monochromacy



Original Color
167, 226, 142

Achromatopsia
205, 205, 205

Achromatomaly
191, 213, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 226, 142 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(226, 207, 142) looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 142)  
}
```

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(226, 207, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 142) }
```

Border

The CSS property to change the border of an element to RYB 167, 226, 142 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(226, 207, 142) }
```

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

```
.border{ border-color:rgb(226, 207, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 207, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 207, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 207, 142); box-shadow:4px 4px 4px 4px rgb(226, 207, 142) }
```

Background

The CSS property to change the background color of an element to RYB 167, 226, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 142) }
```

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

```
.background{ background-color: rgb(226,  
207, 142) }
```

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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