

Converting Colors

`RYB(145, 242, 137)`

Have a look what the booklet for
RYB(145, 242, 137) contains.

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Color

R_YB(145, 242, 137)

Conversions

Conversions Part 1

Format	Color
Hex	F2EB89
RGB	242, 235, 137
RGB Percent	95%, 92%, 54%
CMY	0.0510, 0.0801, 0.4627
CMYK	0.00, 0.03, 0.43, 0.05
HSL	56°, 80%, 74%
HSV	56°, 43%, 95%
XYZ	70.7176, 79.8520, 35.3527
YIQ	225.9210, 35.6300, -28.9940

Conversions

Conversions Part 2

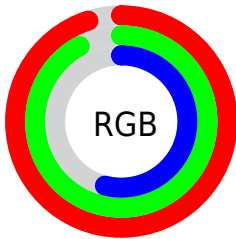
Format	Color
R_{YB}	145, 242, 137
Decimal	15920009
CIE _{Lab}	91.62, -10.80, 48.09
CIE _{LCh}	92, 49.285, 102.660
Yxy	79.8520, 0.3804, 0.4295
Android (android.graphics.Color)	4294110089 (0xFFFF2EB89)
YUV	225.9210, -43.8381, 14.1013
Hunter-Lab	89.3600, -15.1187, 39.0956

Details

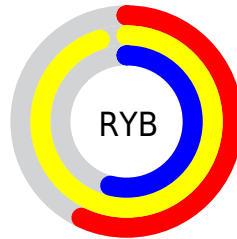
The RYB color **145, 242, 137** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **137, 144, 242**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **192, 255, 192**, and **90, 184, 85** is the 20% darker color. If you saturate the color by 10%, you get **123, 242, 113**, and if you desaturate by 10%, it is **167, 242, 161**.

Distribution



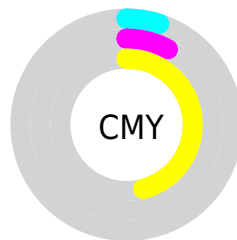
- Red (95%)
- Green (92%)
- Blue (54%)



- Red (57%)
- Yellow (95%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 242, 137 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 145, 242, 137 by changing the saturation by 10% instead.

 145, 242, 137

255, 255, 255


 192, 255, 192


 220, 255, 220

 249, 255, 249

 145, 242, 137

 119, 213, 111

 90, 184, 85

 63, 156, 59


 35, 129, 33

 0, 102, 0

 0, 78, 2

 0, 55, 4

 0, 34, 8


 0, 11, 11

 145, 242, 137

 145, 242, 137

 123, 242, 113

 167, 242, 161

 101, 242, 89

 189, 242, 185

 78, 242, 64

 212, 242, 210

 55, 242, 40

 235, 242, 234

 33, 242, 16

 242, 243, 255

 18, 242, 0

 242, 244, 255

 242, 246, 255

 242, 246, 255

 242, 247, 255

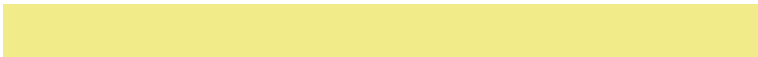
Harmonies

Analogous

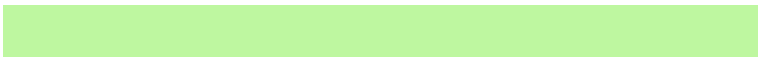
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



194, 255, 141



145, 242, 137



160, 247, 217

Triad

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



145, 242, 137



0, 127, 255



255, 197, 255

Complementary

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



145, 242, 137



137, 144, 242

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, 211, 255



145, 242, 137



109, 179, 255

Square

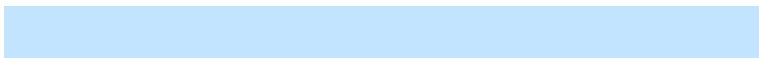
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



145, 242, 137



48, 153, 255



194, 216, 255



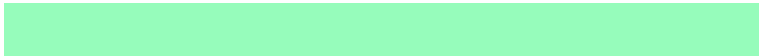
255, 194, 212

Rectangle

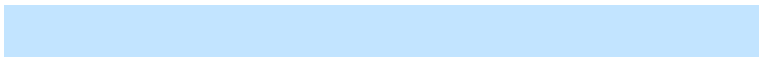
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



145, 242, 137



150, 225, 252



194, 216, 255



255, 201, 255

Sweetspot

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



145, 242, 137



224, 255, 222



242, 137, 146



109, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

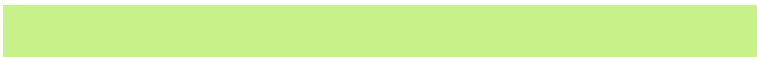
The Same Dimension uses a secret algorithm to generate beautiful new colors.



145, 242, 137



132, 255, 122



137, 242, 181



109, 120, 108



14, 184, 0



4, 56, 0

Inverse Universe

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



137, 144, 242



122, 131, 255



181, 137, 242



108, 109, 120



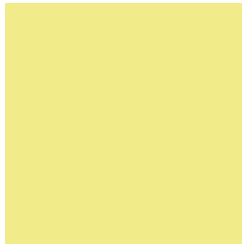
0, 12, 184



0, 4, 56

Previews

White Background



This preview shows how the RYB color 145, 242, 137 looks on a white background.

Color Contrast Check

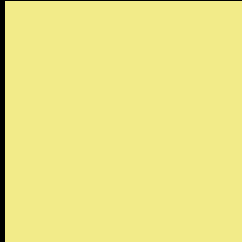
Large Text (above 18pt) WCAG AA × Fail

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 145, 242, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

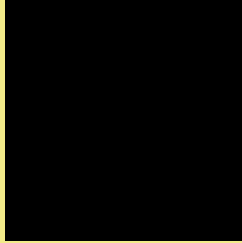
Any Text WCAG AA ✓ Pass

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 145, 242, 137 Background



This preview shows how black text looks on a background with the RYB color 145, 242, 137.



This preview shows how white text looks on a background with the RYB color 145, 242, 137.

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
145, 242, 137

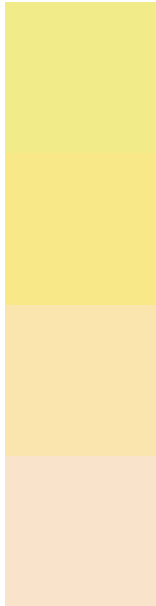
Protanopia
163, 253, 136

Deuteranopia
251, 255, 195



Tritanopia
253, 222, 240

Trichromacy



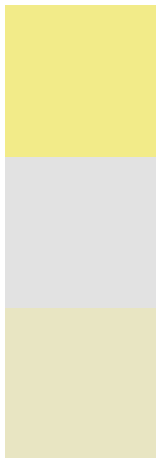
Original Color
145, 242, 137

Protanomaly
156, 249, 136

Deuteranomaly
203, 250, 174

Tritanomaly
245, 249, 203

Monochromacy



Original Color
145, 242, 137

Achromatopsia
226, 226, 226

Achromatomaly
197, 232, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 242, 137 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(242, 235, 137)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 137)  
}
```

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(242, 235, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 137) }
```

Border

The CSS property to change the border of an element to RYB 145, 242, 137 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(242, 235, 137) }
```

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

```
.border{ border-color:rgb(242, 235, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 235, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 235, 137); box-shadow:4px 4px 4px 4px rgb(242, 235, 137) }
```

Background

The CSS property to change the background color of an element to RYB 145, 242, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 137) }
```

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

```
.background{ background-color: rgb(242,  
235, 137) }
```

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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