

Converting Colors

`RYB(145, 240, 137)`

Have a look what the booklet for
RYB(145, 240, 137) contains.

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Color

`RYB(145, 240, 137)`

Conversions

Conversions Part 1

Format	Color
Hex	F0E989
RGB	240, 233, 137
RGB Percent	94%, 91%, 54%
CMY	0.0588, 0.0879, 0.4627
CMYK	0.00, 0.03, 0.43, 0.06
HSL	56°, 77%, 74%
HSV	56°, 43%, 94%
XYZ	69.4697, 78.3698, 35.1323
YIQ	224.1490, 34.9880, -28.3720

Conversions

Conversions Part 2

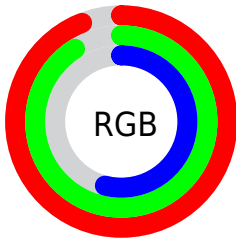
Format	Color
RYB	145, 240, 137
Decimal	15788425
CIELab	90.95, -10.59, 47.22
CIELCh	91, 48.391, 102.646
Yxy	78.3698, 0.3797, 0.4283
Android (android.graphics.Color)	4293978505 (0xFFFF0E989)
YUV	224.1490, -42.9645, 13.9013
Hunter-Lab	88.5267, -14.8471, 38.4391

Details

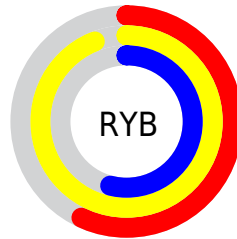
The RYB color **145, 240, 137** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **137, 144, 240**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **192, 255, 192**, and **89, 182, 85** is the 20% darker color. If you saturate the color by 10%, you get **123, 240, 113**, and if you desaturate by 10%, it is **167, 240, 161**.

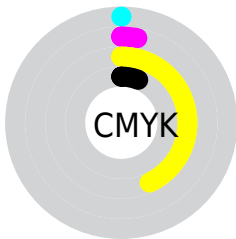
Distribution



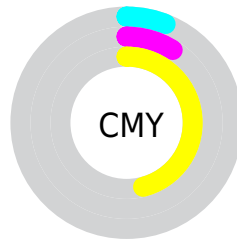
- Red (94%)
- Green (91%)
- Blue (54%)



- Red (57%)
- Yellow (94%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 240, 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, 240, 137 by changing the saturation by 10% instead.

 145, 240, 137

255, 255, 255


 192, 255, 192


 220, 255, 220

 249, 255, 249


 145, 240, 137

 119, 211, 111

 90, 182, 85

 63, 154, 59

 35, 127, 33

 1, 100, 1

 0, 76, 1

 0, 54, 5

 0, 33, 8


 0, 6, 6

 145, 240, 137

 145, 240, 137

 123, 240, 113

 167, 240, 161

 101, 240, 89

 189, 240, 185

 79, 240, 65

 211, 240, 209

 56, 240, 41

 234, 240, 233

 34, 240, 17

 240, 241, 255

 18, 240, 0

 240, 243, 255

 240, 244, 255

 240, 244, 255

 240, 245, 255

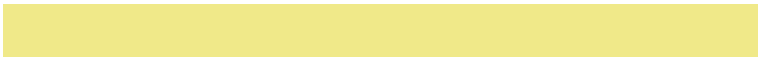
Harmonies

Analogous

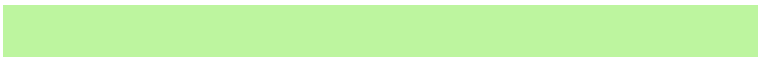
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



198, 255, 141



145, 240, 137



159, 245, 215

Triad

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



145, 240, 137



0, 126, 255



255, 196, 255

Complementary

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



145, 240, 137



137, 144, 240

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, 210, 255



145, 240, 137



111, 179, 255

Square

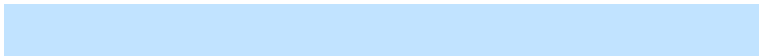
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



145, 240, 137



55, 156, 254



193, 215, 255



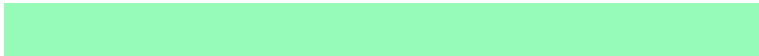
255, 193, 211

Rectangle

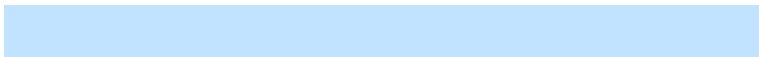
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



145, 240, 137



150, 224, 250



193, 215, 255



255, 200, 255

Sweetspot

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



145, 240, 137



224, 255, 222



240, 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, 240, 137



133, 255, 122



137, 240, 180



109, 120, 108



15, 184, 0



4, 56, 0

Inverse Universe

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



137, 144, 240



122, 131, 255



180, 137, 240



108, 109, 120



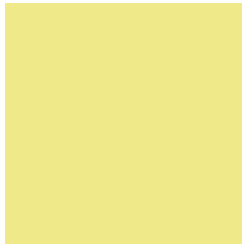
0, 12, 184



0, 4, 56

Previews

White Background



This preview shows how the RYB color 145, 240, 137 looks on a white background.

Color Contrast Check

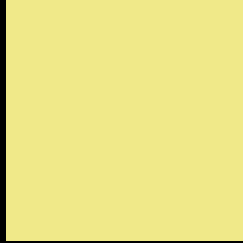
Large Text (above 18pt) WCAG AA × Fail

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, 240, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

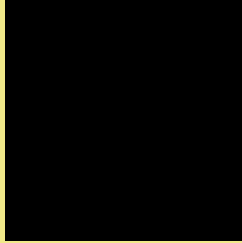
Any Text WCAG AA ✓ Pass

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, 240, 137 Background



This preview shows how black text looks on a background with the RYB color 145, 240, 137.



This preview shows how white text looks on a background with the RYB color 145, 240, 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, 240, 137

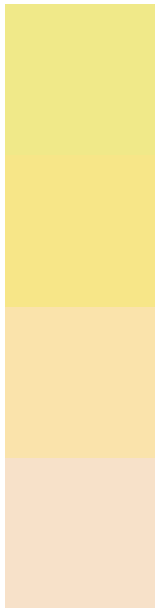
Protanopia
163, 251, 136

Deuteranopia
249, 255, 190



Tritanopia
251, 221, 238

Trichromacy



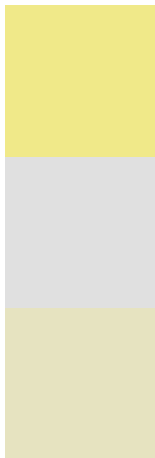
Original Color
145, 240, 137

Protanomaly
156, 247, 136

Deuteranomaly
203, 250, 171

Tritanomaly
243, 247, 201

Monochromacy



Original Color
145, 240, 137

Achromatopsia
224, 224, 224

Achromatomaly
195, 230, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 240, 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(240, 233, 137)` looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 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(240, 233, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 137) }
```

Border

The CSS property to change the border of an element to RYB 145, 240, 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(240, 233, 137) }
```

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

```
.border{ border-color:rgb(240, 233, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 233, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 137);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 145, 240, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 137) }
```

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

```
.background{ background-color: rgb(240,  
233, 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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