

Converting Colors

`RYB(137, 234, 110)`

Have a look what the booklet for
RYB(137, 234, 110) contains.

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Color

R_YB(137, 234, 110)

Conversions

Conversions Part 1

Format	Color
Hex	EAD46E
RGB	234, 212, 110
RGB Percent	92%, 83%, 43%
CMY	0.0824, 0.1693, 0.5686
CMYK	0.00, 0.09, 0.53, 0.08
HSL	49°, 75%, 67%
HSV	49°, 53%, 92%
XYZ	60.2466, 65.6191, 24.2423
YIQ	206.9500, 45.8540, -27.0580

Conversions

Conversions Part 2

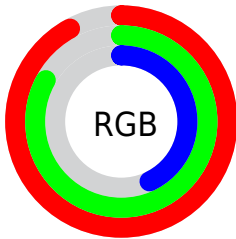
Format	Color
R _Y B	137, 234, 110
Decimal	15389806
CIE Lab	84.80, -4.99, 52.58
CIE LCh	85, 52.814, 95.417
Yxy	65.6191, 0.4014, 0.4371
Android (android.graphics.Color)	4293579886 (0xFFEAD46E)
YUV	206.9500, -47.7963, 23.7229
Hunter-Lab	81.0056, -9.0034, 38.9604

Details

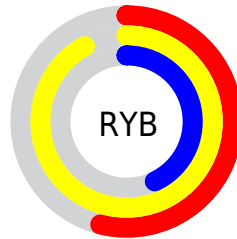
The RYB color **137, 234, 110** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **110, 129, 234**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **164, 255, 164**, and **79, 176, 58** is the 20% darker color. If you saturate the color by 10%, you get **119, 234, 87**, and if you desaturate by 10%, it is **155, 234, 133**.

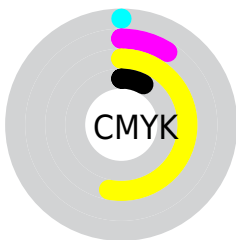
Distribution



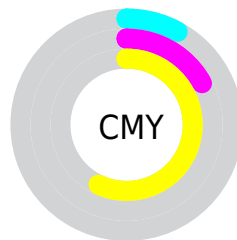
- Red (92%)
- Green (83%)
- Blue (43%)



- Red (54%)
- Yellow (92%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (53%)
- Black (8%)



- Cyan (8%)
- Magenta (17%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 234, 110 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 137, 234, 110 by changing the saturation by 10% instead.

 137, 234, 110

255, 255, 255

 164, 255, 164


 192, 255, 192


 220, 255, 220

 249, 255, 249


 137, 234, 110

 109, 205, 84

 79, 176, 58

 50, 148, 31

 15, 120, 0

 11, 93, 0

 8, 67, 0

 3, 41, 0

 0, 18, 4

 0, 0, 0

■ 137, 234, 110

■ 137, 234, 110

■ 119, 234, 87

■ 155, 234, 133

■ 101, 234, 63

■ 174, 234, 157

■ 83, 234, 40

■ 192, 234, 180

■ 63, 234, 16

■ 210, 234, 204

■ 51, 234, 0

■ 228, 234, 227

■ 234, 237, 250

■ 234, 239, 255

■ 234, 241, 255

■ 234, 243, 255

Harmonies

Analogous

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



233, 255, 121



137, 234, 110



128, 226, 173

Triad

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



137, 234, 110



0, 123, 255



255, 178, 254

Complementary

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



137, 234, 110



110, 129, 234

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.



228, 195, 255



137, 234, 110



0, 120, 255

Square

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



137, 234, 110



0, 124, 238



148, 189, 255



255, 171, 204

Rectangle

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



137, 234, 110



140, 221, 232



148, 189, 255



255, 183, 255

Sweetspot

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



137, 234, 110



222, 255, 214



234, 110, 133



109, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



137, 234, 110



127, 255, 92



110, 234, 149



108, 117, 106



39, 181, 0



12, 54, 0

Inverse Universe

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



110, 129, 234



92, 117, 255



149, 110, 234



106, 108, 117



0, 27, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 137, 234, 110 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 137, 234, 110 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 137, 234, 110 Background



This preview shows how black text looks on a background with the RYB color 137, 234, 110.



This preview shows how white text looks on a background with the RYB color 137, 234, 110.

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
137, 234, 110

Protanopia
137, 234, 110

Deuteranopia
215, 255, 127



Tritanopia
244, 200, 216

Trichromacy



Original Color
137, 234, 110

Protanomaly
137, 234, 110

Deuteranomaly
182, 247, 121

Tritanomaly
240, 224, 177

Monochromacy



Original Color
137, 234, 110

Achromatopsia
207, 207, 207

Achromatomaly
182, 217, 172

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 234, 110 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(234, 212, 110) looks like.

```
.text, #text, p{  
    color:rgb(234, 212, 110)  
}
```

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(234, 212, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 212, 110) }
```

Border

The CSS property to change the border of an element to RYB 137, 234, 110 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(234, 212, 110) }
```

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

```
.border{ border-color:rgb(234, 212, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 212, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 212, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 212, 110); box-shadow:4px 4px 4px 4px rgb(234, 212, 110) }
```

Background

The CSS property to change the background color of an element to RYB 137, 234, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 212, 110) }
```

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

```
.background{ background-color: rgb(234,  
212, 110) }
```

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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