

Converting Colors

`RYB(138, 236, 113)`

Have a look what the booklet for
RYB(138, 236, 113) contains.

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Color

R_YB(138, 236, 113)

Conversions

Conversions Part 1

Format	Color
Hex	ECD771
RGB	236, 215, 113
RGB Percent	93%, 84%, 44%
CMY	0.0745, 0.1560, 0.5569
CMYK	0.00, 0.09, 0.52, 0.07
HSL	50°, 76%, 68%
HSV	50°, 52%, 93%
XYZ	61.9300, 67.7396, 25.4338
YIQ	209.6510, 45.2580, -27.2700

Conversions

Conversions Part 2

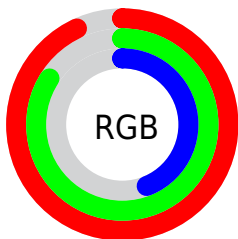
Format	Color
RYB	138, 236, 113
Decimal	15521649
CIELab	85.88, -5.65, 52.48
CIELCh	86, 52.780, 96.148
Yxy	67.7396, 0.3993, 0.4367
Android (android.graphics.Color)	4293711729 (0xFFECD771)
YUV	209.6510, -47.6489, 23.1081
Hunter-Lab	82.3041, -9.7193, 39.2909

Details

The RYB color **138, 236, 113** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **113, 131, 236**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **167, 255, 167**, and **81, 178, 61** is the 20% darker color. If you saturate the color by 10%, you get **119, 236, 89**, and if you desaturate by 10%, it is **158, 236, 137**.

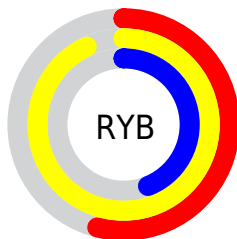
Distribution



Red (93%)

Green (84%)

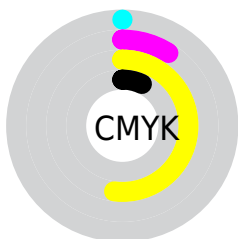
Blue (44%)



Red (54%)

Yellow (93%)

Blue (44%)

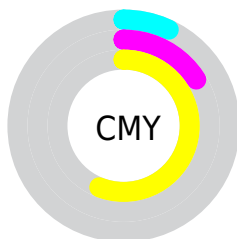


Cyan (0%)

Magenta (9%)

Yellow (52%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 236, 113 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 138, 236, 113 by changing the saturation by 10% instead.

 138, 236, 113

255, 255, 255

 167, 255, 167


 195, 255, 195


 223, 255, 223

253, 255, 253


 138, 236, 113

 110, 207, 87

 81, 178, 61

 51, 150, 34

 13, 122, 0

 11, 95, 0

 8, 69, 0

 2, 43, 0

 0, 21, 4


 0, 0, 0

 138, 236, 113

 138, 236, 113

 119, 236, 89

 158, 236, 137

 101, 236, 66

 176, 236, 160

 82, 236, 42

 195, 236, 184

 64, 236, 19

 213, 236, 207

 48, 236, 0

 232, 236, 231

 236, 239, 255

 236, 241, 255

 236, 243, 255

 236, 244, 255

Harmonies

Analogous

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



225, 255, 124



138, 236, 113



132, 229, 178

Triad

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



138, 236, 113



0, 123, 255



255, 181, 255

Complementary

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



138, 236, 113



113, 131, 236

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.



233, 198, 255



138, 236, 113



0, 121, 255

Square

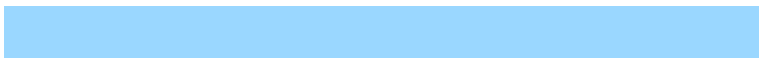
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



138, 236, 113



0, 125, 241



154, 192, 255



255, 174, 206

Rectangle

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



138, 236, 113



141, 221, 235



154, 192, 255



255, 186, 255

Sweetspot

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



138, 236, 113



222, 255, 214



236, 113, 136



109, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



138, 236, 113



126, 255, 94



113, 236, 152



108, 117, 106



37, 181, 0



11, 54, 0

Inverse Universe

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



113, 131, 236



94, 117, 255



152, 113, 236



106, 108, 117



0, 26, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 138, 236, 113 looks on a white background.

Color Contrast Check

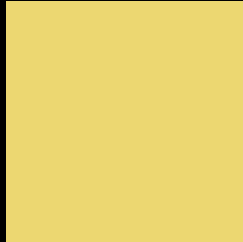
Large Text (above 18pt) WCAG AA × Fail

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 138, 236, 113 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 138, 236, 113 Background



This preview shows how black text looks on a background with the RYB color 138, 236, 113.



This preview shows how white text looks on a background with the RYB color 138, 236, 113.

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
138, 236, 113

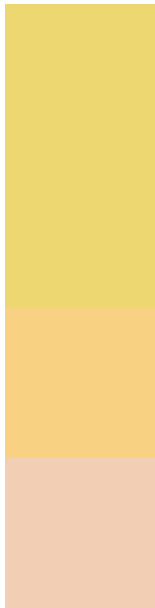
Protanopia
140, 237, 113

Deuteranopia
222, 255, 140



Tritanopia
246, 203, 219

Trichromacy



Original Color
138, 236, 113

Protanomaly
140, 237, 113

Deuteranomaly
186, 248, 130

Tritanomaly
242, 228, 180

Monochromacy



Original Color
138, 236, 113

Achromatopsia
210, 210, 210

Achromatomaly
183, 219, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 236, 113 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(236, 215, 113)` looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 113)  
}
```

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(236, 215, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 113) }
```

Border

The CSS property to change the border of an element to RYB 138, 236, 113 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(236, 215, 113) }
```

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

```
.border{ border-color:rgb(236, 215, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 215, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 113);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 138, 236, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 113) }
```

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

```
.background{ background-color: rgb(236,  
215, 113) }
```

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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