

Converting Colors

`RYB(140, 236, 113)`

Have a look what the booklet for
RYB(140, 236, 113) contains.

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Color

R_YB(140, 236, 113)

Conversions

Conversions Part 1

Format	Color
Hex	ECD671
RGB	236, 214, 113
RGB Percent	93%, 84%, 44%
CMY	0.0745, 0.1613, 0.5569
CMYK	0.00, 0.09, 0.52, 0.07
HSL	49°, 76%, 68%
HSV	49°, 52%, 93%
XYZ	61.5839, 67.0474, 25.3184
YIQ	209.0640, 45.5330, -26.7470

Conversions

Conversions Part 2

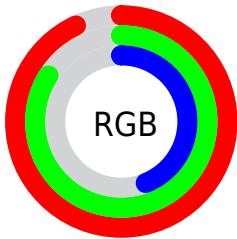
Format	Color
RYB	140, 236, 113
Decimal	15521393
CIELab	85.53, -4.96, 52.06
CIELCh	86, 52.298, 95.443
Yxy	67.0474, 0.4000, 0.4355
Android (android.graphics.Color)	4293711473 (0xFFECD671)
YUV	209.0640, -47.3596, 23.6229
Hunter-Lab	81.8825, -9.0444, 38.9850

Details

The RYB color **140, 236, 113** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **113, 132, 236**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **167, 255, 167**, and **82, 178, 61** is the 20% darker color. If you saturate the color by 10%, you get **121, 236, 89**, and if you desaturate by 10%, it is **159, 236, 137**.

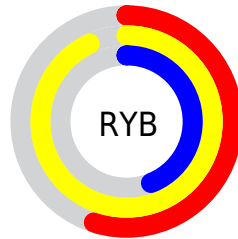
Distribution



Red (93%)

Green (84%)

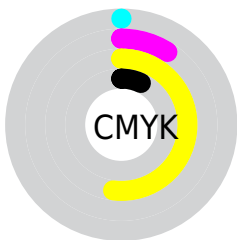
Blue (44%)



Red (55%)

Yellow (93%)

Blue (44%)

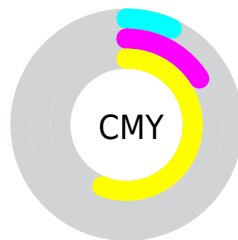


Cyan (0%)

Magenta (9%)

Yellow (52%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 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 140, 236, 113 by changing the saturation by 10% instead.

 140, 236, 113

255, 255, 255

 167, 255, 167

 195, 255, 195


 223, 255, 223

 252, 255, 252

 140, 236, 113

 112, 207, 87


 84, 178, 61

 54, 150, 34

 16, 122, 0

 12, 95, 0

 9, 69, 0

 3, 43, 0

 0, 20, 3

 0, 0, 0

■ 140, 236, 113

■ 140, 236, 113

■ 121, 236, 89

■ 159, 236, 137

■ 104, 236, 66

■ 177, 236, 160

■ 85, 236, 42

■ 195, 236, 184

■ 67, 236, 19

■ 213, 236, 207

■ 51, 236, 0

■ 232, 236, 231

■ 236, 239, 255

■ 236, 242, 255

■ 236, 243, 255

■ 236, 245, 255

Harmonies

Analogous

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



228, 255, 124



140, 236, 113



131, 228, 175

Triad

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



140, 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.



140, 236, 113



113, 132, 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.



230, 197, 255



140, 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.



140, 236, 113



0, 125, 240



151, 191, 255



255, 173, 207

Rectangle

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



140, 236, 113



143, 223, 234



151, 191, 255



255, 185, 255

Sweetspot

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



140, 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.



140, 236, 113



129, 255, 94



113, 236, 152



108, 117, 106



40, 181, 0



12, 54, 0

Inverse Universe

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



113, 132, 236



94, 119, 255



152, 113, 236



106, 108, 117



0, 28, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 140, 236, 113 looks on a white background.

Color Contrast Check

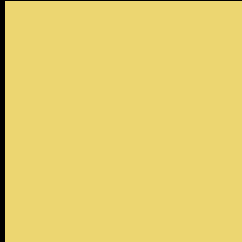
Large Text (above 18pt) WCAG AA × Fail

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 140, 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 140, 236, 113 Background



This preview shows how black text looks on a background with the RYB color 140, 236, 113.



This preview shows how white text looks on a background with the RYB color 140, 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
140, 236, 113

Protanopia
140, 236, 113

Deuteranopia
222, 255, 136



Tritanopia
246, 202, 218

Trichromacy



Original Color
140, 236, 113

Protanomaly
140, 236, 113

Deuteranomaly
188, 248, 128

Tritanomaly
242, 225, 180

Monochromacy



Original Color
140, 236, 113

Achromatopsia
209, 209, 209

Achromatomaly
184, 219, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 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, 214, 113)` looks like.

```
.text, #text, p{  
    color:rgb(236, 214, 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, 214, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 214, 113) }
```

Border

The CSS property to change the border of an element to RYB 140, 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, 214, 113) }
```

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

```
.border{ border-color:rgb(236, 214, 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, 214, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 214, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 214, 113); box-shadow:4px 4px 4px 4px rgb(236, 214, 113) }
```

Background

The CSS property to change the background color of an element to RYB 140, 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, 214, 113) }
```

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

```
.background{ background-color: rgb(236,  
214, 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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