

Converting Colors

`RYB(140, 235, 115)`

Have a look what the booklet for
RYB(140, 235, 115) contains.

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Color

$\text{RYB}(140, 235, 115)$

Conversions

Conversions Part 1

Format	Color
Hex	EBD673
RGB	235, 214, 115
RGB Percent	92%, 84%, 45%
CMY	0.0784, 0.1596, 0.5490
CMYK	0.00, 0.09, 0.51, 0.08
HSL	50°, 75%, 69%
HSV	50°, 51%, 92%
XYZ	61.4807, 67.1503, 25.9406
YIQ	208.9930, 44.2950, -26.3370

Conversions

Conversions Part 2

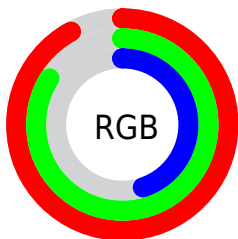
Format	Color
RYB	140, 235, 115
Decimal	15455859
CIELab	85.58, -5.43, 51.15
CIELCh	86, 51.439, 96.056
Yxy	67.1503, 0.3977, 0.4344
Android (android.graphics.Color)	4293645939 (0xFFEBD673)
YUV	208.9930, -46.3385, 22.8081
Hunter-Lab	81.9453, -9.4821, 38.5929

Details

The RYB color **140, 235, 115** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **115, 133, 235**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **169, 255, 169**, and **83, 177, 63** is the 20% darker color. If you saturate the color by 10%, you get **122, 235, 92**, and if you desaturate by 10%, it is **160, 235, 139**.

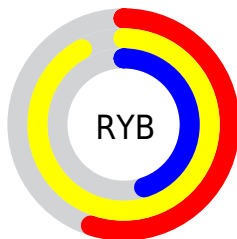
Distribution



Red (92%)

Green (84%)

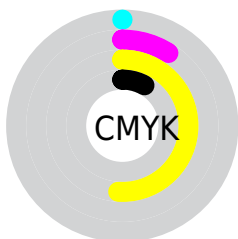
Blue (45%)



Red (55%)

Yellow (92%)

Blue (45%)

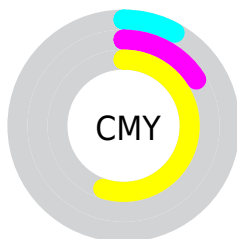


Cyan (0%)

Magenta (9%)

Yellow (51%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 235, 115 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, 235, 115 by changing the saturation by 10% instead.

 140, 235, 115

255, 255, 255

 169, 255, 169


 197, 255, 197

 225, 255, 225

 140, 235, 115

 112, 206, 89

 83, 177, 63

 54, 149, 37

 16, 121, 3

 10, 94, 0

 7, 68, 0

 3, 43, 0

 0, 20, 4


 0, 0, 0

 140, 235, 115

 140, 235, 115

 122, 235, 92

 160, 235, 139

 103, 235, 68


 178, 235, 162

 85, 235, 45

 197, 235, 186

 66, 235, 21

 214, 235, 209

 50, 235, 0

 233, 235, 233

 235, 238, 255

 235, 241, 255

 235, 243, 255

 235, 244, 255

Harmonies

Analogous

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



230, 255, 125



140, 235, 115



133, 228, 178

Triad

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



140, 235, 115



0, 123, 255



255, 181, 254

Complementary

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



140, 235, 115



115, 133, 235

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.



232, 197, 255



140, 235, 115



26, 134, 255

Square

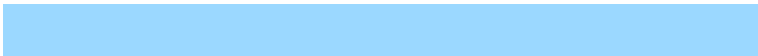
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



140, 235, 115



0, 124, 239



155, 193, 255



255, 174, 206

Rectangle

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



140, 235, 115



143, 221, 234



155, 193, 255



255, 186, 255

Sweetspot

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



140, 235, 115



226, 255, 217



235, 115, 137



110, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



140, 235, 115



132, 255, 99



115, 235, 153



108, 117, 106



37, 181, 0



12, 54, 0

Inverse Universe

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



115, 133, 235



99, 122, 255



153, 115, 235



106, 108, 117



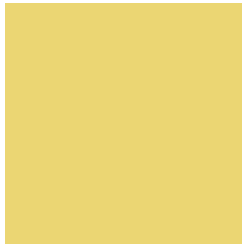
0, 26, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 140, 235, 115 looks on a white background.

Color Contrast Check

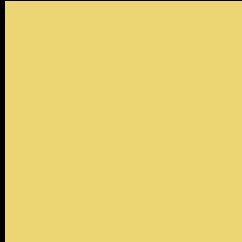
Large Text (above 18pt) WCAG AA × Fail

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, 235, 115 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, 235, 115 Background



This preview shows how black text looks on a background with the RYB color 140, 235, 115.



This preview shows how white text looks on a background with the RYB color 140, 235, 115.

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, 235, 115

Protanopia
142, 236, 115

Deuteranopia
221, 255, 137



Tritanopia
245, 203, 218

Trichromacy



Original Color
140, 235, 115

Protanomaly
142, 236, 115

Deuteranomaly
187, 248, 129

Tritanomaly
241, 227, 181

Monochromacy



Original Color
140, 235, 115

Achromatopsia
209, 209, 209

Achromatomaly
183, 218, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 235, 115 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(235, 214, 115)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 115)  
}
```

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(235, 214, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 115) }
```

Border

The CSS property to change the border of an element to RYB 140, 235, 115 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(235, 214, 115) }
```

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

```
.border{ border-color:rgb(235, 214, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 214, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 214, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 214, 115);  
box-shadow:4px 4px 4px 4px rgb(235, 214,  
115) }
```

Background

The CSS property to change the background color of an element to RYB 140, 235, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 115) }
```

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

```
.background{ background-color: rgb(235,  
214, 115) }
```

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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