

Converting Colors

`RYB(152, 235, 142)`

Have a look what the booklet for
RYB(152, 235, 142) contains.

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Color

R_YB(152, 235, 142)

Conversions

Conversions Part 1

Format	Color
Hex	EBE28E
RGB	235, 226, 142
RGB Percent	92%, 89%, 56%
CMY	0.0784, 0.1138, 0.4431
CMYK	0.00, 0.04, 0.40, 0.08
HSL	54°, 70%, 74%
HSV	54°, 40%, 92%
XYZ	66.3319, 73.9920, 36.3770
YIQ	219.1150, 32.3280, -24.2160

Conversions

Conversions Part 2

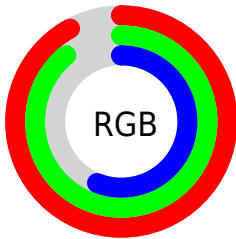
Format	Color
R _Y B	152, 235, 142
Decimal	15458958
CIE Lab	88.92, -8.73, 42.12
CIE LCh	89, 43.012, 101.712
Yxy	73.9920, 0.3754, 0.4187
Android (android.graphics.Color)	4293649038 (0xFFEBE28E)
YUV	219.1150, -38.0177, 13.9311
Hunter-Lab	86.0186, -12.8852, 35.1395

Details

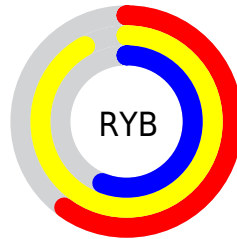
The RYB color **152, 235, 142** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **142, 150, 235**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **197, 255, 197**, and **98, 178, 90** is the 20% darker color. If you saturate the color by 10%, you get **130, 235, 118**, and if you desaturate by 10%, it is **174, 235, 166**.

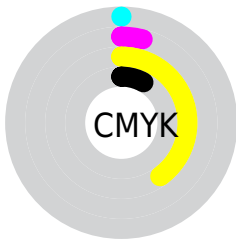
Distribution



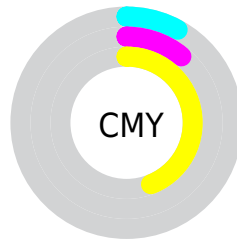
- Red (92%)
- Green (89%)
- Blue (56%)



- Red (60%)
- Yellow (92%)
- Blue (56%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 235, 142 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 152, 235, 142 by changing the saturation by 10% instead.

 152, 235, 142

255, 255, 255

 197, 255, 197


 225, 255, 225


254, 255, 254

 152, 235, 142

 125, 206, 116

 98, 178, 90

 71, 150, 65

 44, 123, 40

 17, 97, 14

 0, 71, 0

 0, 49, 2

 0, 28, 6


 0, 0, 0

 152, 235, 142

 152, 235, 142

 130, 235, 118

 174, 235, 166

 111, 235, 95

 193, 235, 189

 89, 235, 71

 214, 235, 212

 68, 235, 48


 235, 235, 236

 46, 235, 24

 235, 237, 255

 27, 235, 1

 235, 239, 255

 25, 235, 0

 235, 240, 255

 235, 241, 255

 235, 243, 255

Harmonies

Analogous

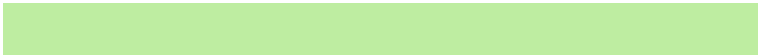
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



217, 255, 146



152, 235, 142



161, 237, 208

Triad

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



152, 235, 142



73, 161, 255



255, 195, 250

Complementary

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



152, 235, 142



142, 150, 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.



249, 207, 255



152, 235, 142



125, 185, 255

Square

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



152, 235, 142



89, 169, 246



191, 212, 255



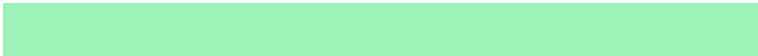
255, 192, 209

Rectangle

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



152, 235, 142



157, 222, 242



191, 212, 255



255, 198, 255

Sweetspot

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



152, 235, 142



227, 255, 224



235, 142, 151



112, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



152, 235, 142



148, 255, 135



142, 235, 179



107, 117, 106



20, 181, 0



7, 54, 0

Inverse Universe

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



142, 150, 235



135, 146, 255



179, 142, 235



106, 107, 117



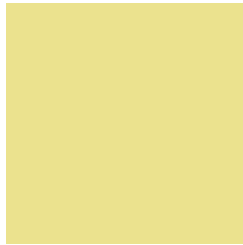
0, 16, 181



0, 5, 54

Previews

White Background



This preview shows how the RYB color 152, 235, 142 looks on a white background.

Color Contrast Check

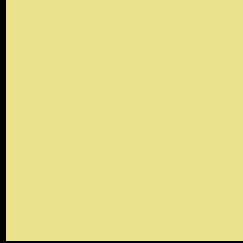
Large Text (above 18pt) WCAG AA × Fail

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 152, 235, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

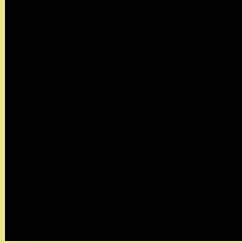
Any Text WCAG AA ✓ Pass

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 152, 235, 142 Background



This preview shows how black text looks on a background with the RYB color 152, 235, 142.



This preview shows how white text looks on a background with the RYB color 152, 235, 142.

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
152, 235, 142

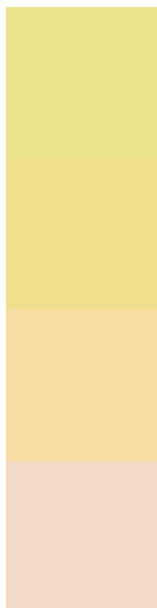
Protanopia
166, 243, 141

Deuteranopia
247, 255, 175



Tritanopia
245, 215, 232

Trichromacy



Original Color

152, 235, 142

Protanomaly

160, 240, 141

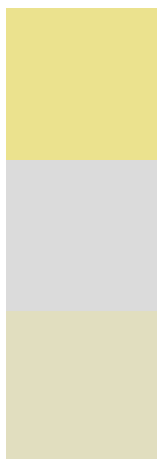
Deuteranomaly

205, 248, 163

Tritanomaly

241, 237, 199

Monochromacy



Original Color

152, 235, 142

Achromatopsia

219, 219, 219

Achromatomaly

194, 225, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 235, 142 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, 226, 142) looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 142)  
}
```

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, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 142) }
```

Border

The CSS property to change the border of an element to RYB 152, 235, 142 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, 226, 142) }
```

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

```
.border{ border-color:rgb(235, 226, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 226, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 152, 235, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 142) }
```

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

```
.background{ background-color: rgb(235,  
226, 142) }
```

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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