

Converting Colors

`RYB(162, 238, 118)`

Have a look what the booklet for
RYB(162, 238, 118) contains.

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Color

R_YB(162, 238, 118)

Conversions

Conversions Part 1

Format	Color
Hex	EECE76
RGB	238, 206, 118
RGB Percent	93%, 81%, 46%
CMY	0.0667, 0.1929, 0.5373
CMYK	0.00, 0.14, 0.50, 0.07
HSL	44°, 78%, 70%
HSV	44°, 50%, 93%
XYZ	60.5543, 63.5339, 26.2113
YIQ	205.5360, 47.3200, -20.5840

Conversions

Conversions Part 2

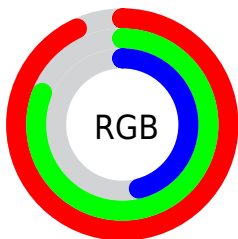
Format	Color
RYB	162, 238, 118
Decimal	15650422
CIELab	83.72, 0.40, 47.52
CIELCh	84, 47.522, 89.522
Yxy	63.5339, 0.4029, 0.4227
Android (android.graphics.Color)	4293840502 (0xFFEECE76)
YUV	205.5360, -43.1552, 28.4709
Hunter-Lab	79.7081, -3.8828, 36.2988

Details

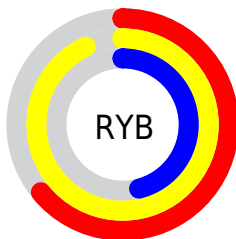
The RYB color **162, 238, 118** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **118, 143, 238**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **172, 255, 172**, and **104, 180, 67** is the 20% darker color. If you saturate the color by 10%, you get **147, 238, 94**, and if you desaturate by 10%, it is **178, 238, 142**.

Distribution



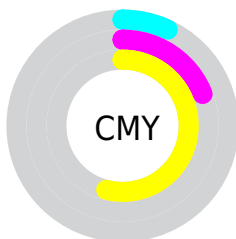
- Red (93%)
- Green (81%)
- Blue (46%)



- Red (64%)
- Yellow (93%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (50%)
- Black (7%)



- Cyan (7%)
- Magenta (19%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 238, 118 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 162, 238, 118 by changing the saturation by 10% instead.

 162, 238, 118

255, 255, 255

 172, 255, 172


 200, 255, 200


 228, 255, 228

 162, 238, 118


 134, 209, 92


 104, 180, 67


 73, 151, 41

 42, 124, 13

 25, 97, 0

 21, 71, 0

 15, 45, 0

 11, 19, 0

 0, 0, 0

■ 162, 238, 118

■ 162, 238, 118

■ 147, 238, 94

■ 178, 238, 142

■ 131, 238, 70

■ 192, 238, 166

■ 117, 238, 47

■ 207, 238, 189

■ 102, 238, 23

■ 223, 238, 213

■ 88, 238, 0

■ 237, 238, 237

■ 238, 242, 255

■ 238, 245, 255

■ 238, 247, 255

Harmonies

Analogous

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



255, 240, 133



162, 238, 118



129, 219, 156

Triad

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



162, 238, 118



0, 120, 251



255, 182, 255

Complementary

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



162, 238, 118



118, 143, 238

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.



212, 197, 255



162, 238, 118



32, 135, 255

Square

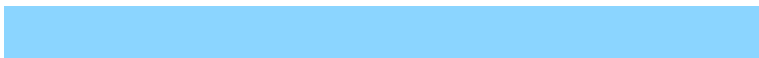
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



162, 238, 118



68, 157, 232



139, 184, 255



255, 173, 211

Rectangle

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



162, 238, 118



149, 226, 218



139, 184, 255



249, 186, 255

Sweetspot

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



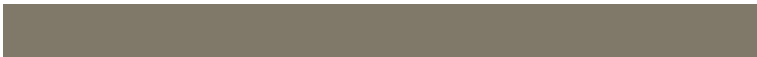
162, 238, 118



231, 255, 217



238, 118, 152



115, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



162, 238, 118



156, 255, 99



118, 238, 144



112, 120, 108



69, 184, 0



20, 56, 0

Inverse Universe

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



118, 143, 238



99, 132, 255



144, 118, 238



108, 110, 120



0, 39, 184



0, 12, 56

Previews

White Background



This preview shows how the RYB color 162, 238, 118 looks on a white background.

Color Contrast Check

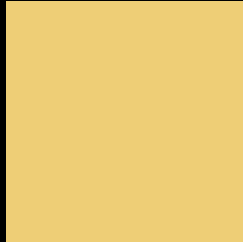
Large Text (above 18pt) WCAG AA × Fail

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 162, 238, 118 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 162, 238, 118 Background



This preview shows how black text looks on a background with the RYB color 162, 238, 118.



This preview shows how white text looks on a background with the RYB color 162, 238, 118.

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
162, 238, 118

Protanopia
143, 229, 119

Deuteranopia
213, 254, 120



Tritanopia
247, 195, 210

Trichromacy



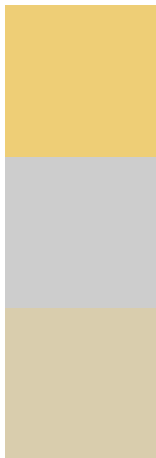
Original Color
162, 238, 118

Protanomaly
149, 232, 119

Deuteranomaly
193, 248, 119

Tritanomaly
244, 210, 177

Monochromacy



Original Color
162, 238, 118

Achromatopsia
205, 205, 205

Achromatomaly
190, 217, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 238, 118 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(238, 206, 118)` looks like.

```
.text, #text, p{  
    color:rgb(238, 206, 118)  
}
```

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(238, 206, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 206, 118) }
```

Border

The CSS property to change the border of an element to RYB 162, 238, 118 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(238, 206, 118) }
```

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

```
.border{ border-color:rgb(238, 206, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 206, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 206, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 206, 118);  
box-shadow:4px 4px 4px 4px rgb(238, 206,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 162, 238, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 206, 118) }
```

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

```
.background{ background-color: rgb(238,  
206, 118) }
```

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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