

Converting Colors

`RYB(164, 238, 128)`

Have a look what the booklet for
RYB(164, 238, 128) contains.

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Color

R_YB(164, 238, 128)

Conversions

Conversions Part 1

Format	Color
Hex	EED380
RGB	238, 211, 128
RGB Percent	93%, 83%, 50%
CMY	0.0667, 0.1730, 0.4980
CMYK	0.00, 0.11, 0.46, 0.07
HSL	45°, 76%, 72%
HSV	45°, 46%, 93%
XYZ	62.4198, 66.2630, 29.9222
YIQ	209.6110, 42.7350, -20.0890

Conversions

Conversions Part 2

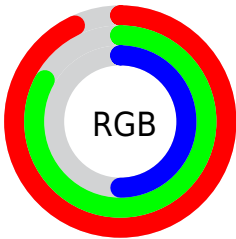
Format	Color
RYB	164, 238, 128
Decimal	15651712
CIELab	85.13, -1.30, 44.33
CIELCh	85, 44.352, 91.678
Yxy	66.2630, 0.3936, 0.4178
Android (android.graphics.Color)	4293841792 (0xFFEED380)
YUV	209.6110, -40.2342, 24.8972
Hunter-Lab	81.4021, -5.5782, 35.1873

Details

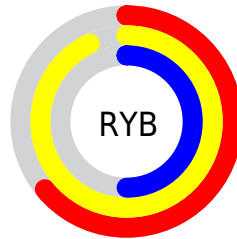
The RYB color **164, 238, 128** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **128, 150, 238**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **182, 255, 182**, and **107, 180, 77** is the 20% darker color. If you saturate the color by 10%, you get **148, 238, 104**, and if you desaturate by 10%, it is **180, 238, 152**.

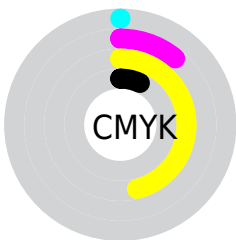
Distribution



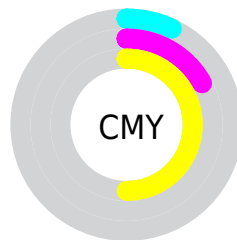
- Red (93%)
- Green (83%)
- Blue (50%)



- Red (64%)
- Yellow (93%)
- Blue (50%)



- Cyan (0%)
- Magenta (11%)
- Yellow (46%)
- Black (7%)



- Cyan (7%)
- Magenta (17%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 238, 128 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 164, 238, 128 by changing the saturation by 10% instead.

 164, 238, 128

 164, 238, 128


255, 255, 255

 136, 209, 102


 182, 255, 182

 107, 180, 77

 210, 255, 210


 79, 152, 52

 239, 255, 239

 50, 125, 26

 19, 98, 0

 17, 73, 0

 11, 47, 0

 5, 21, 0

 0, 0, 0

164, 238, 128

164, 238, 128

148, 238, 104

180, 238, 152

132, 238, 80

196, 238, 176

117, 238, 57

212, 238, 199

101, 238, 33

228, 238, 223

83, 238, 9

238, 240, 247

78, 238, 0

238, 243, 255

238, 246, 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, 249, 140



164, 238, 128



140, 223, 169

Triad

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



164, 238, 128



30, 137, 255



255, 187, 253

Complementary

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



164, 238, 128



128, 150, 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.



221, 201, 255



164, 238, 128



81, 160, 255

Square

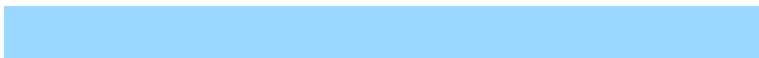
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



164, 238, 128



86, 166, 235



156, 193, 255



255, 180, 212

Rectangle

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



164, 238, 128



159, 229, 227



156, 193, 255



254, 191, 255

Sweetspot

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



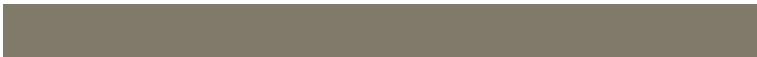
164, 238, 128



231, 255, 219



238, 128, 155



114, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



164, 238, 128



162, 255, 115



128, 238, 156



112, 120, 108



61, 184, 0



19, 56, 0

Inverse Universe

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



128, 150, 238



115, 142, 255



155, 128, 238



108, 110, 120



0, 36, 184



0, 11, 56

Previews

White Background



This preview shows how the RYB color 164, 238, 128 looks on a white background.

Color Contrast Check

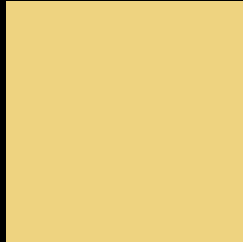
Large Text (above 18pt) WCAG AA × Fail

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 164, 238, 128 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 164, 238, 128 Background



This preview shows how black text looks on a background with the RYB color 164, 238, 128.



This preview shows how white text looks on a background with the RYB color 164, 238, 128.

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
164, 238, 128

Protanopia
154, 233, 129

Deuteranopia
227, 255, 137



Tritanopia
247, 200, 216

Trichromacy



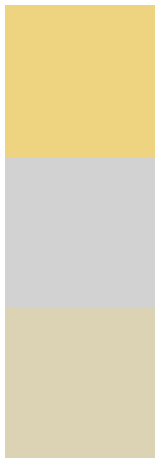
Original Color
164, 238, 128

Protanomaly
158, 235, 129

Deuteranomaly
200, 249, 134

Tritanomaly
244, 214, 184

Monochromacy



Original Color
164, 238, 128

Achromatopsia
210, 210, 210

Achromatomaly
193, 220, 180

CSS Examples

Text

The CSS property to change the color of the text to RGB 164, 238, 128 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, 211, 128) looks like.

```
.text, #text, p{  
    color:rgb(238, 211, 128)  
}
```

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, 211, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 211, 128) }
```

Border

The CSS property to change the border of an element to RYB 164, 238, 128 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, 211, 128) }
```

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

```
.border{ border-color:rgb(238, 211, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 211, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 211, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 211, 128);  
box-shadow:4px 4px 4px 4px rgb(238, 211,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 164, 238, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 211, 128) }
```

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

```
.background{ background-color: rgb(238,  
211, 128) }
```

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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