

Converting Colors

`RYB(138, 227, 150)`

Have a look what the booklet for
RYB(138, 227, 150) contains.

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Color

R_YB(138, 227, 150)

Conversions

Conversions Part 1

Format	Color
Hex	D7E38A
RGB	215, 227, 138
RGB Percent	84%, 89%, 54%
CMY	0.1569, 0.1098, 0.4588
CMYK	0.05, 0.00, 0.39, 0.11
HSL	68°, 61%, 72%
HSV	68°, 39%, 89%
XYZ	60.0809, 71.2202, 34.6250
YIQ	213.2660, 21.4170, -30.2230

Conversions

Conversions Part 2

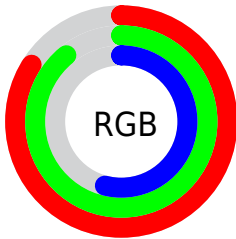
Format	Color
RYB	138, 227, 150
Decimal	14148490
CIELab	87.59, -17.41, 42.09
CIELCh	88, 45.551, 112.465
Yxy	71.2202, 0.3621, 0.4292
Android (android.graphics.Color)	4292338570 (0xFFD7E38A)
YUV	213.2660, -37.1061, 1.5207
Hunter-Lab	84.3921, -20.6074, 34.7485

Details

The RYB color **138, 227, 150** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **150, 138, 227**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **193, 255, 193**, and **86, 172, 99** is the 20% darker color. If you saturate the color by 10%, you get **115, 227, 130**, and if you desaturate by 10%, it is **161, 227, 170**.

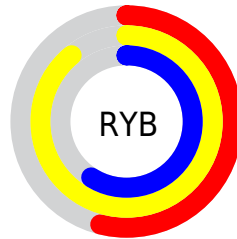
Distribution



Red (84%)

Green (89%)

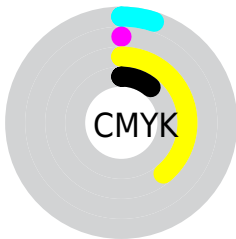
Blue (54%)



Red (54%)

Yellow (89%)

Blue (59%)

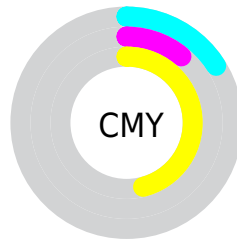


Cyan (5%)

Magenta (0%)

Yellow (39%)

Black (11%)



Cyan (16%)

Magenta (11%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 227, 150 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 138, 227, 150 by changing the saturation by 10% instead.

 138, 227, 150


255, 255, 255

 193, 255, 193


 221, 255, 221

 250, 255, 250

 138, 227, 150

 112, 199, 124

 86, 172, 99

 61, 145, 74

 36, 120, 51

 8, 95, 23

 0, 71, 16

 0, 49, 18


 0, 29, 29

 0, 0, 0

 138, 227, 150

 138, 227, 150

 115, 227, 130

 161, 227, 170

 93, 227, 111

 183, 227, 189

 70, 227, 91

 206, 227, 209

 47, 227, 71

 227, 227, 229

 24, 227, 51

 230, 227, 252

 2, 227, 32

 233, 227, 255

 0, 227, 31

 236, 227, 255

 239, 227, 255

 243, 227, 255

Harmonies

Analogous

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



197, 255, 133



138, 227, 150



165, 237, 237

Triad

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



138, 227, 150



58, 152, 255



255, 187, 232

Complementary

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



138, 227, 150



150, 138, 227

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.



255, 197, 255



138, 227, 150



137, 188, 255

Square

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



138, 227, 150



43, 145, 251



209, 212, 255



255, 188, 189

Rectangle

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



138, 227, 150



128, 200, 241



209, 212, 255



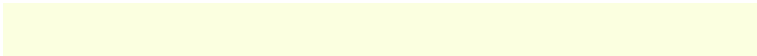
255, 189, 247

Sweetspot

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



138, 227, 150



224, 255, 228



227, 152, 138



110, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



138, 227, 150



135, 255, 151



138, 227, 194



103, 115, 105



0, 179, 25



0, 51, 7

Inverse Universe

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



150, 138, 227



151, 135, 255



194, 138, 227



105, 103, 115



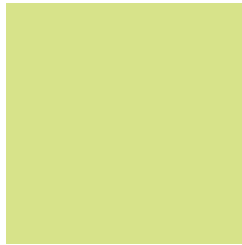
24, 0, 179



7, 0, 51

Previews

White Background



This preview shows how the RYB color 138, 227, 150 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 138, 227, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

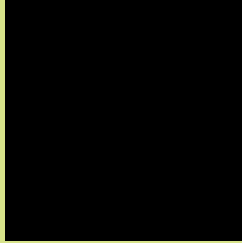
Any Text WCAG AA ✓ Pass

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 138, 227, 150 Background



This preview shows how black text looks on a background with the RYB color 138, 227, 150.

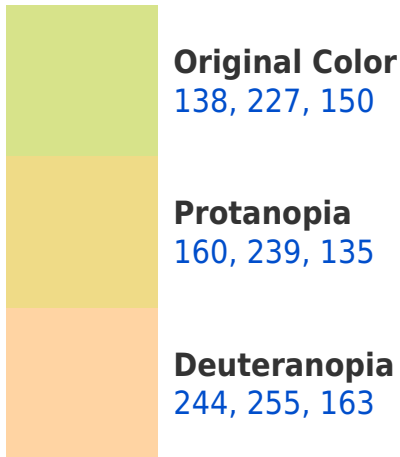


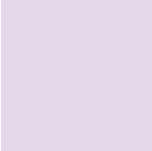
This preview shows how white text looks on a background with the RYB color 138, 227, 150.

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](#).

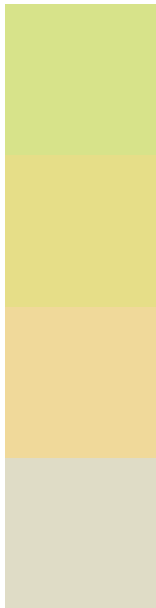
Dichromacy





Tritanopia
227, 216, 233

Trichromacy



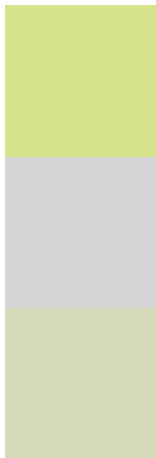
Original Color
138, 227, 150

Protanomaly
145, 230, 136

Deuteranomaly
185, 240, 154

Tritanomaly
201, 223, 198

Monochromacy



Original Color
138, 227, 150

Achromatopsia
213, 213, 213

Achromatomaly
186, 218, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 227, 150 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(215, 227, 138)` looks like.

```
.text, #text, p{  
    color:rgb(215, 227, 138)  
}
```

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(215, 227, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 227, 138) }
```

Border

The CSS property to change the border of an element to RYB 138, 227, 150 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(215, 227, 138) }
```

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

```
.border{ border-color:rgb(215, 227, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 227, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 227, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 227, 138);  
box-shadow:4px 4px 4px 4px rgb(215, 227,  
138) }
```

Background

The CSS property to change the background color of an element to RYB 138, 227, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 227, 138) }
```

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

```
.background{ background-color: rgb(215,  
227, 138) }
```

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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