

Converting Colors

`RYB(128, 233, 152)`

Have a look what the booklet for
RYB(128, 233, 152) contains.

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Color

R_YB(128, 233, 152)

Conversions

Conversions Part 1

Format	Color
Hex	D1E980
RGB	209, 233, 128
RGB Percent	82%, 91%, 50%
CMY	0.1804, 0.0863, 0.4980
CMYK	0.10, 0.00, 0.45, 0.09
HSL	74°, 70%, 71%
HSV	74°, 45%, 91%
XYZ	59.3297, 73.3916, 31.4611
YIQ	213.8540, 19.4010, -37.7430

Conversions

Conversions Part 2

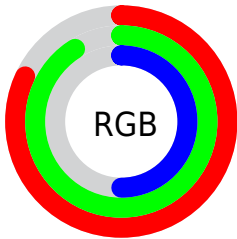
Format	Color
RYB	128, 233, 152
Decimal	13756800
CIELab	88.63, -23.69, 48.18
CIElCh	89, 53.693, 116.186
Yxy	73.3916, 0.3614, 0.4470
Android (android.graphics.Color)	4291946880 (0xFFD1E980)
YUV	213.8540, -42.3260, -4.2570
Hunter-Lab	85.6689, -26.3011, 38.1946

Details

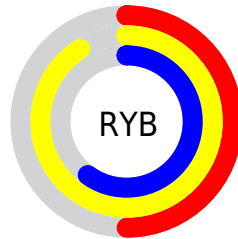
The RYB color **128, 233, 152** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **152, 128, 233**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **183, 255, 183**, and **76, 177, 100** is the 20% darker color. If you saturate the color by 10%, you get **105, 233, 134**, and if you desaturate by 10%, it is **151, 233, 170**.

Distribution



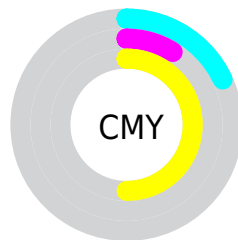
- Red (82%)
- Green (91%)
- Blue (50%)



- Red (50%)
- Yellow (91%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 233, 152 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 128, 233, 152 by changing the saturation by 10% instead.

 128, 233, 152

255, 255, 255


 183, 255, 183


 211, 255, 211


 240, 255, 240


 128, 233, 152

 102, 205, 126

 76, 177, 100


 50, 151, 75

 22, 125, 48

 0, 100, 27

 0, 76, 27

 0, 53, 31


 0, 32, 32

 0, 0, 0

 128, 233, 152

 128, 233, 152

 105, 233, 134

 151, 233, 170

 81, 233, 116

 175, 233, 188

 58, 233, 98

 198, 233, 206

 35, 233, 80

 221, 233, 224

 12, 233, 63

 236, 233, 244

 0, 233, 53

 241, 233, 255

 246, 233, 255

 252, 233, 255

 255, 233, 255

Harmonies

Analogous

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



172, 255, 119



128, 233, 152



148, 230, 244

Triad

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



128, 233, 152



0, 124, 255



255, 182, 231

Complementary

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



128, 233, 152



152, 128, 233

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, 193, 255



128, 233, 152



126, 184, 255

Square

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



128, 233, 152



0, 126, 255



217, 212, 255



255, 184, 180

Rectangle

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



128, 233, 152



96, 188, 248



217, 212, 255



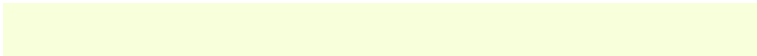
255, 184, 248

Sweetspot

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



128, 233, 152



219, 255, 227



233, 157, 128



106, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



128, 233, 152



117, 255, 148



128, 233, 203



106, 117, 108



0, 181, 41



0, 54, 13

Inverse Universe

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



152, 128, 233



149, 117, 255



203, 128, 233



108, 106, 117



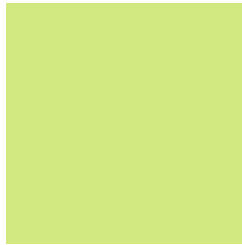
41, 0, 181



12, 0, 54

Previews

White Background



This preview shows how the RYB color 128, 233, 152 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 128, 233, 152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

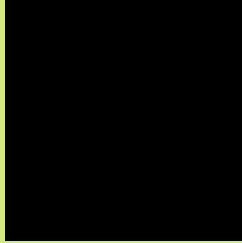
Any Text WCAG AA ✓ Pass

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 128, 233, 152 Background



This preview shows how black text looks on a background with the RYB color 128, 233, 152.

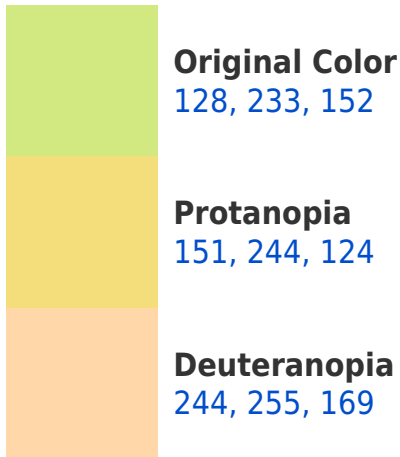


This preview shows how white text looks on a background with the RYB color 128, 233, 152.

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](#).

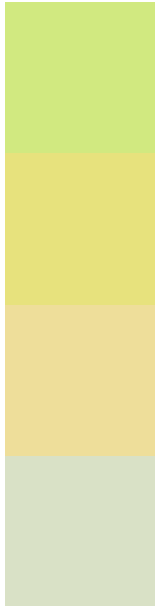
Dichromacy





Tritanopia
222, 220, 238

Trichromacy



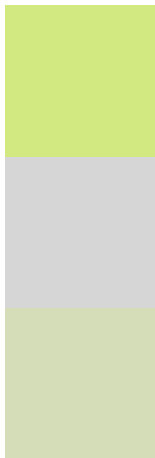
Original Color
128, 233, 152

Protanomaly
130, 231, 125

Deuteranomaly
174, 238, 154

Tritanomaly
198, 225, 206

Monochromacy



Original Color
128, 233, 152

Achromatopsia
214, 214, 214

Achromatomaly
183, 221, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 233, 152 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(209, 233, 128)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 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(209, 233, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 128) }
```

Border

The CSS property to change the border of an element to RYB 128, 233, 152 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(209, 233, 128) }
```

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

```
.border{ border-color:rgb(209, 233, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 128);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 128, 233, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 233, 128) }
```

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

```
.background{ background-color: rgb(209,  
233, 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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