

Converting Colors

`RYB(128, 222, 203)`

Have a look what the booklet for
RYB(128, 222, 203) contains.

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Color

R_YB(128, 222, 203)

Conversions

Conversions Part 1

Format	Color
Hex	93DE80
RGB	147, 222, 128
RGB Percent	58%, 87%, 50%
CMY	0.4235, 0.1294, 0.4980
CMYK	0.34, 0.00, 0.42, 0.13
HSL	108°, 59%, 69%
HSV	108°, 42%, 87%
XYZ	42.0502, 60.0041, 29.7877
YIQ	188.8590, -14.5260, -45.1340

Conversions

Conversions Part 2

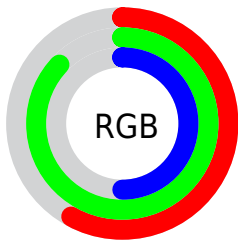
Format	Color
RYB	128, 222, 203
Decimal	9690752
CIELab	81.84, -40.74, 38.86
CIElCh	82, 56.296, 136.353
Yxy	60.0041, 0.3189, 0.4551
Android (android.graphics.Color)	4287880832 (0xFF93DE80)
YUV	188.8590, -30.0035, -36.7103
Hunter-Lab	77.4623, -38.6609, 31.4239

Details

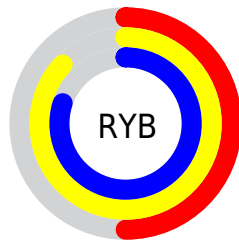
The RYB color **128, 222, 203** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **203, 128, 222**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **182, 255, 234**, and **77, 166, 151** is the 20% darker color. If you saturate the color by 10%, you get **106, 222, 199**, and if you desaturate by 10%, it is **150, 222, 207**.

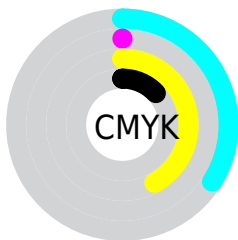
Distribution



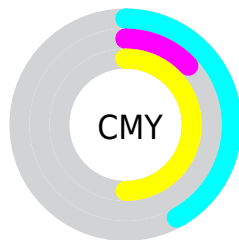
- Red (58%)
- Green (87%)
- Blue (50%)



- Red (50%)
- Yellow (87%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (42%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 222, 203 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, 222, 203 by changing the saturation by 10% instead.

 128, 222, 203


255, 255, 255


 182, 255, 234


 210, 255, 233


 239, 255, 239


 128, 222, 203

 102, 194, 176

 77, 166, 151


 52, 140, 127

 27, 114, 105

 0, 88, 88

 0, 64, 64

 0, 42, 42

 0, 12, 12


 0, 0, 0

 128, 222, 203

 128, 222, 203

 106, 222, 199

 150, 222, 207

 84, 222, 194

 172, 222, 212

 61, 222, 189

 195, 222, 217

 39, 222, 185

 217, 222, 221

 17, 222, 181

 236, 222, 239

 0, 222, 177

 253, 222, 255

 255, 222, 255

Harmonies

Analogous

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



98, 210, 101



128, 222, 203



57, 158, 229

Triad

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



128, 222, 203



0, 117, 255



255, 160, 176

Complementary

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



128, 222, 203



203, 128, 222

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, 162, 230



128, 222, 203



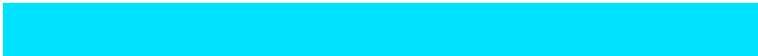
168, 191, 255

Square

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



128, 222, 203



0, 120, 255



244, 178, 255



255, 197, 129

Rectangle

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



128, 222, 203



0, 120, 231



244, 178, 255



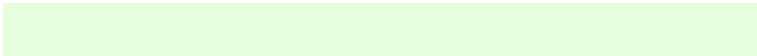
255, 159, 194

Sweetspot

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



128, 222, 203



222, 255, 248



153, 222, 128



107, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



128, 222, 203



125, 255, 229



128, 201, 222



101, 112, 110



0, 176, 140



0, 48, 38

Inverse Universe

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



203, 128, 222



229, 125, 255



222, 128, 195



110, 101, 112



140, 0, 176



39, 0, 48

Previews

White Background



This preview shows how the RYB color 128, 222, 203 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, 222, 203 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, 222, 203 Background



This preview shows how black text looks on a background with the RYB color 128, 222, 203.

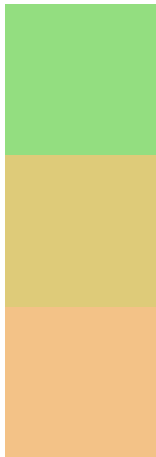


This preview shows how white text looks on a background with the RYB color 128, 222, 203.

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](#).

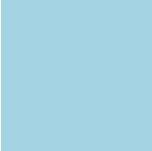
Dichromacy



Original Color
128, 222, 203

Protanopia
144, 222, 121

Deuteranopia
225, 243, 135



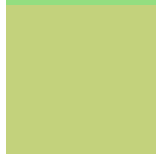
Tritanopia
164, 191, 227

Trichromacy



Original Color

128, 222, 203



Protanomaly

124, 210, 139



Deuteranomaly

136, 208, 132



Tritanomaly

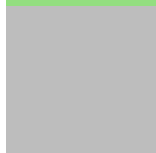
158, 193, 214

Monochromacy



Original Color

128, 222, 203



Achromatopsia

189, 189, 189



Achromatomaly

167, 201, 194

CSS Examples

Text

The CSS property to change the color of the text to RGB 128, 222, 203 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(147, 222, 128)` looks like.

```
.text, #text, p{  
    color:rgb(147, 222, 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(147, 222, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 222, 128) }
```

Border

The CSS property to change the border of an element to RYB 128, 222, 203 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(147, 222, 128) }
```

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

```
.border{ border-color:rgb(147, 222, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 222, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 222, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 222, 128);  
box-shadow:4px 4px 4px 4px rgb(147, 222,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 128, 222, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 222, 128) }
```

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

```
.background{ background-color: rgb(147,  
222, 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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