

# Converting Colors

RGB(137, 209, 187)

Have a look what the booklet for  
RGB(137, 209, 187) contains.

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# **Color**

**RGB(137, 209, 187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89D1BB
RGB	137, 209, 187
RGB Percent	54%, 82%, 73%
CMY	0.4627, 0.1804, 0.2667
CMYK	0.34, 0.00, 0.11, 0.18
HSL	162°, 44%, 68%
HSV	162°, 34%, 82%
XYZ	42.0866, 54.5071, 55.3164
YIQ	184.9640, -35.8500, -22.1060

# Conversions

## Conversions Part 2

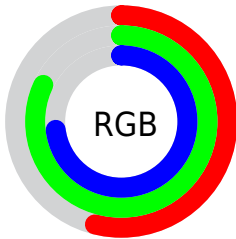
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 179, 209
Decimal	9032123
CIELab	78.76, -27.33, 3.79
CIELCh	79, 27.595, 172.111
Yxy	54.5071, 0.2770, 0.3588
Android (android.graphics.Color)	4287222203 (0xFF89D1BB)
YUV	184.9640, 1.0037, -42.0644
Hunter-Lab	73.8290, -27.4457, 7.2572

# Details

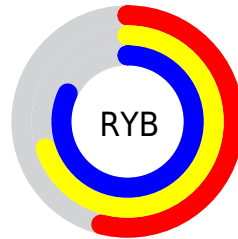
The RGB color **137, 209, 187** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **209, 137, 159**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **193, 255, 243**, and **84, 154, 134** is the 20% darker color. If you saturate the color by 10%, you get **116, 209, 181**, and if you desaturate by 10%, it is **158, 209, 193**.

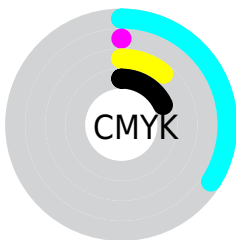
# Distribution



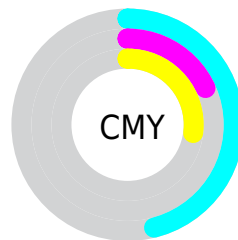
- Red (54%)
- Green (82%)
- Blue (73%)



- Red (54%)
- Yellow (70%)
- Blue (82%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)



- Cyan (46%)
- Magenta (18%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 137, 209, 187 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 RGB color 137, 209, 187 by changing the saturation by 10% instead.




 137, 209, 187

 137, 209, 187


255, 255, 255

 110, 181, 160

 193, 255, 243

 84, 154, 134

 221, 255, 255


 57, 128, 109

 250, 255, 255

 28, 103, 84

 0, 78, 61

 0, 55, 39

 0, 34, 19

 0, 0, 0

 137, 209, 187

 137, 209, 187

 116, 209, 181

 158, 209, 193


 95, 209, 174

 179, 209, 200

 74, 209, 168

 200, 209, 206

 53, 209, 161

 221, 209, 213

 33, 209, 155

 242, 209, 219

 12, 209, 149

 255, 209, 225

 0, 209, 145

 255, 209, 232

 255, 209, 238

 255, 209, 244

# Harmonies

## Analogous

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



164, 206, 163



137, 209, 187



120, 209, 213

# Triad

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



137, 209, 187



190, 191, 242



239, 183, 155

# Complementary

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



137, 209, 187



209, 137, 159

# 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.



247, 177, 177



137, 209, 187



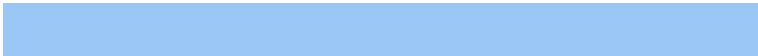
221, 182, 227

# Square

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



137, 209, 187



154, 199, 245



242, 177, 203



220, 191, 144

# Rectangle

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



137, 209, 187



121, 207, 228



242, 177, 203



243, 180, 162

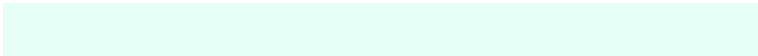


# Sweetspot

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



137, 209, 187



230, 255, 247



160, 209, 137



112, 128, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



137, 209, 187



150, 255, 223



137, 196, 209



94, 105, 101



0, 168, 117



0, 41, 28



# Inverse Universe

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



209, 137, 159



255, 150, 182



209, 150, 137



105, 94, 97



168, 0, 51



41, 0, 12



# Previews

## White Background



This preview shows how the RGB color 137, 209, 187 looks on a white background.

## Color Contrast Check

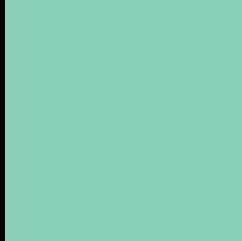
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 137, 209, 187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

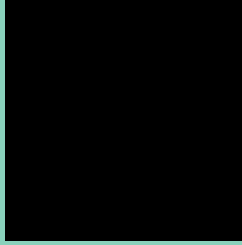
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

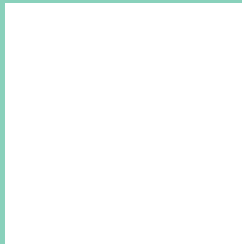
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 137, 209, 187 Background



This preview shows how black text looks on a background with the RGB color 137, 209, 187.



This preview shows how white text looks on a background with the RGB color 137, 209, 187.

# 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**  
145, 204, 221

# Trichromacy



**Original Color**

137, 209, 187



**Protanomaly**

178, 199, 182



**Deuteranomaly**

186, 196, 190



**Tritanomaly**

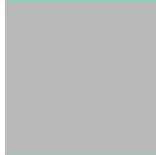
142, 206, 209

# Monochromacy



**Original Color**

137, 209, 187



**Achromatopsia**

185, 185, 185



**Achromatomaly**

168, 194, 186

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 137, 209, 187 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(137, 209, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 209, 187)  
}
```

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(137, 209, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 209, 187) }
```

## Border

The CSS property to change the border of an element to RGB 137, 209, 187 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(137, 209, 187) }
```

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

```
.border{ border-color:rgb(137, 209, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 209, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 209, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 209, 187); box-shadow:4px 4px 4px 4px rgb(137, 209, 187) }
```

# Background

The CSS property to change the background color of an element to RGB 137, 209, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 209, 187) }
```

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

```
.background{ background-color: rgb(137,  
209, 187) }
```

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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