

Converting Colors

`RYB(137, 189, 208)`

Have a look what the booklet for
RYB(137, 189, 208) contains.

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Color

R_YB(137, 189, 208)

Conversions

Conversions Part 1

Format	Color
Hex	89D0A3
RGB	137, 208, 163
RGB Percent	54%, 82%, 64%
CMY	0.4627, 0.1843, 0.3610
CMYK	0.34, 0.00, 0.22, 0.18
HSL	142°, 43%, 68%
HSV	142°, 34%, 82%
XYZ	39.4781, 53.0724, 42.7865
YIQ	181.6410, -27.8710, -29.0470

Conversions

Conversions Part 2

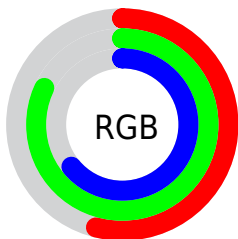
Format	Color
RYB	137, 189, 208
Decimal	9031843
CIELab	77.92, -31.76, 15.44
CIElCh	78, 35.312, 154.080
Yxy	53.0724, 0.2917, 0.3921
Android (android.graphics.Color)	4287221923 (0xFF89D0A3)
YUV	181.6410, -9.1900, -39.1502
Hunter-Lab	72.8508, -30.7592, 16.1735

Details

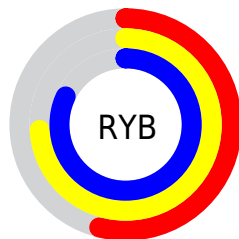
The RYB color **137, 189, 208** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **208, 137, 182**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **192, 237, 255**, and **84, 134, 153** is the 20% darker color. If you saturate the color by 10%, you get **116, 183, 208**, and if you desaturate by 10%, it is **158, 195, 208**.

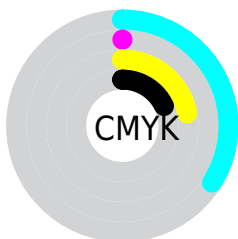
Distribution



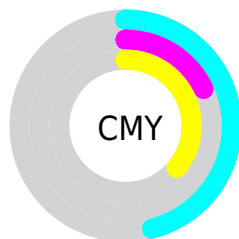
- Red (54%)
- Green (82%)
- Blue (64%)



- Red (54%)
- Yellow (74%)
- Blue (82%)



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)



- Cyan (46%)
- Magenta (18%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 189, 208 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 137, 189, 208 by changing the saturation by 10% instead.


 137, 189, 208

255, 255, 255


 192, 237, 255


 221, 241, 255

 250, 253, 255

 137, 189, 208

 110, 161, 180

 84, 134, 153

 58, 107, 127

 30, 78, 101


 0, 50, 77

 0, 39, 54

 0, 34, 34


 0, 0, 0

 137, 189, 208


 137, 189, 208

 116, 183, 208


 158, 195, 208

 95, 177, 208


 179, 201, 208


 75, 173, 208


 199, 205, 208

 54, 167, 208

 220, 208, 216

 33, 161, 208

 241, 208, 229

 12, 155, 208

 255, 208, 242

 0, 152, 208

 255, 208, 255

Harmonies

Analogous

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



137, 202, 163



137, 189, 208



100, 160, 211

Triad

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



137, 189, 208



155, 183, 255



255, 173, 157

Complementary

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



137, 189, 208



208, 137, 182

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, 168, 189



137, 189, 208



203, 183, 247

Square

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



137, 189, 208



107, 165, 251



238, 172, 222



239, 217, 135

Rectangle

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



137, 189, 208



83, 148, 218



238, 172, 222



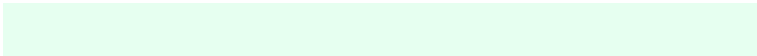
255, 169, 167

Sweetspot

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



137, 189, 208



230, 248, 255



137, 208, 162



112, 124, 128



0, 0, 0



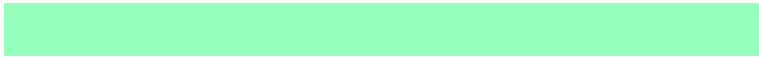
128, 128, 128

Same Dimension

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



137, 189, 208



150, 227, 255



137, 175, 208



94, 102, 105



0, 123, 168



0, 30, 41

Inverse Universe

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



208, 137, 182



255, 150, 217



208, 137, 148



105, 94, 101



168, 0, 107



41, 0, 26

Previews

White Background



This preview shows how the RYB color 137, 189, 208 looks on a white background.

Color Contrast Check

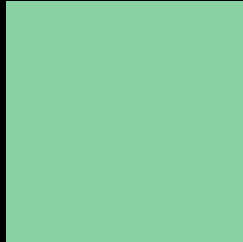
Large Text (above 18pt) WCAG AA × Fail

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 137, 189, 208 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 137, 189, 208 Background



This preview shows how black text looks on a background with the RYB color 137, 189, 208.

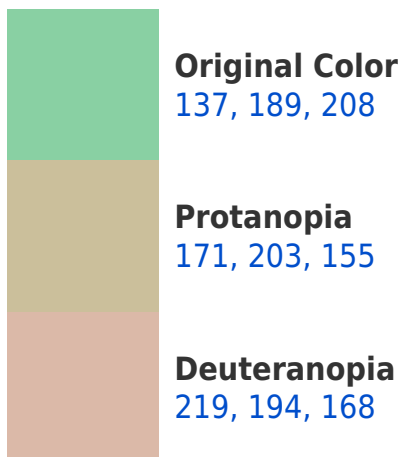


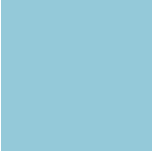
This preview shows how white text looks on a background with the RYB color 137, 189, 208.

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
148, 178, 217

Trichromacy



Original Color

137, 189, 208



Protanomaly

158, 197, 176



Deuteranomaly

166, 193, 170



Tritanomaly

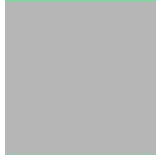
144, 176, 204

Monochromacy



Original Color

137, 189, 208



Achromatopsia

182, 182, 182



Achromatomaly

166, 184, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 189, 208 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, 208, 163)` looks like.

```
.text, #text, p{  
    color:rgb(137, 208, 163)  
}
```

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, 208, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 208, 163) }
```

Border

The CSS property to change the border of an element to RYB 137, 189, 208 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, 208, 163) }
```

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

```
.border{ border-color:rgb(137, 208, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 208, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 208, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 208, 163); box-shadow:4px 4px 4px 4px rgb(137, 208, 163) }
```

Background

The CSS property to change the background color of an element to RYB 137, 189, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 208, 163) }
```

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

```
.background{ background-color: rgb(137,  
208, 163) }
```

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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