

Converting Colors

`RYB(137, 172, 198)`

Have a look what the booklet for
RYB(137, 172, 198) contains.

RYB(137, 172, 198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(137, 172, 198)

Conversions

Conversions Part 1

Format	Color
Hex	89C6B6
RGB	137, 198, 182
RGB Percent	54%, 78%, 71%
CMY	0.4627, 0.2235, 0.2850
CMYK	0.31, 0.00, 0.08, 0.22
HSL	165°, 35%, 66%
HSV	165°, 31%, 78%
XYZ	38.9866, 49.0969, 51.8483
YIQ	177.9370, -31.2200, -17.9080

Conversions

Conversions Part 2

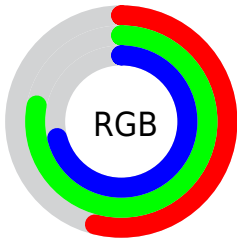
Format	Color
RYB	137, 172, 198
Decimal	9029302
CIELab	75.51, -22.94, 1.60
CIElCh	76, 22.999, 176.011
Yxy	49.0969, 0.2786, 0.3509
Android (android.graphics.Color)	4287219382 (0xFF89C6B6)
YUV	177.9370, 2.0031, -35.9017
Hunter-Lab	70.0692, -23.3034, 5.1763

Details

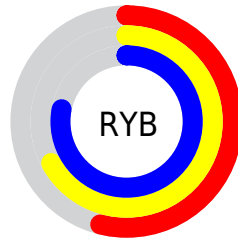
The RYB color **137, 172, 198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **198, 137, 153**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **192, 228, 255**, and **85, 119, 144** is the 20% darker color. If you saturate the color by 10%, you get **117, 164, 198**, and if you desaturate by 10%, it is **157, 181, 198**.

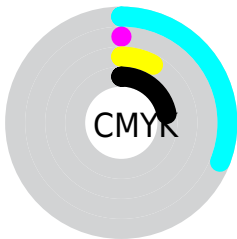
Distribution



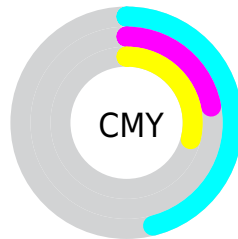
- Red (54%)
- Green (78%)
- Blue (71%)



- Red (54%)
- Yellow (67%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)




- Cyan (46%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 172, 198 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, 172, 198 by changing the saturation by 10% instead.

 137, 172, 198


255, 255, 255


 192, 228, 255

 220, 238, 255

 249, 252, 255


 137, 172, 198

 110, 145, 171

 84, 118, 144

 59, 92, 118


 32, 66, 93


 0, 38, 69


 0, 26, 46


 0, 18, 28


 0, 0, 0


 137, 172, 198


 137, 172, 198

 117, 164, 198


 157, 181, 198

 97, 155, 198


 177, 189, 198

 78, 147, 198


 196, 197, 198

 58, 138, 198

 216, 198, 203

 38, 130, 198

 236, 198, 208

 18, 121, 198

 255, 198, 213

 0, 114, 198

 255, 198, 218

 255, 198, 223

 255, 198, 228

Harmonies

Analogous

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



158, 191, 195



137, 172, 198



127, 164, 204

Triad

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



137, 172, 198



186, 182, 224



222, 191, 152

Complementary

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



137, 172, 198



198, 137, 153

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.



230, 172, 168



137, 172, 198



211, 175, 210

Square

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



137, 172, 198



157, 179, 228



226, 171, 190



176, 205, 144

Rectangle

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



137, 172, 198



130, 167, 216



226, 171, 190



226, 182, 156

Sweetspot

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



137, 172, 198



232, 245, 255



137, 198, 182



113, 122, 128



0, 0, 0



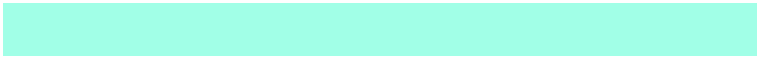
128, 128, 128

Same Dimension

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



137, 172, 198



161, 215, 255



137, 164, 198



90, 95, 99



0, 94, 163



0, 21, 36

Inverse Universe

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



198, 137, 153



255, 161, 185



198, 155, 137



99, 90, 92



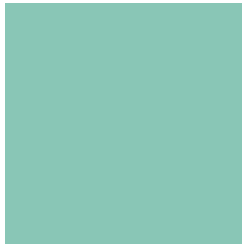
163, 0, 42



36, 0, 9

Previews

White Background



This preview shows how the RYB color 137, 172, 198 looks on a white background.

Color Contrast Check

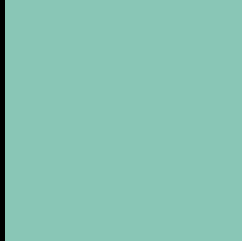
Large Text (above 18pt) WCAG AA × Fail

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, 172, 198 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

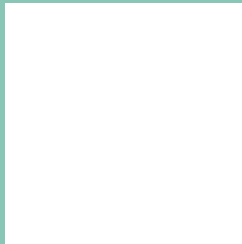
Any Text WCAG AAA ✓ Pass

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

RYB 137, 172, 198 Background



This preview shows how black text looks on a background with the RYB color 137, 172, 198.

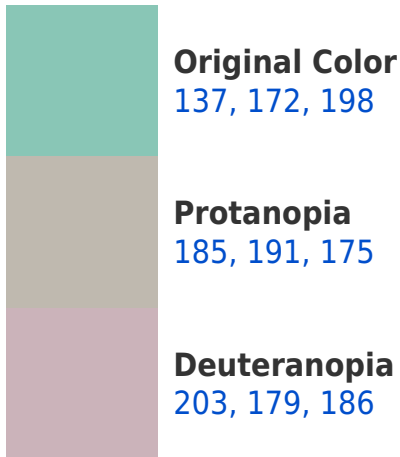


This preview shows how white text looks on a background with the RYB color 137, 172, 198.

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
143, 172, 210

Trichromacy



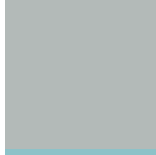
Original Color

137, 172, 198



Protanomaly

171, 185, 190



Deuteranomaly

179, 183, 186



Tritanomaly

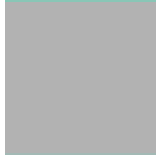
141, 169, 200

Monochromacy



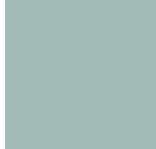
Original Color

137, 172, 198



Achromatopsia

178, 178, 178



Achromatomaly

163, 175, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 172, 198 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, 198, 182)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 182)  
}
```

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, 198, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 182) }
```

Border

The CSS property to change the border of an element to RYB 137, 172, 198 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, 198, 182) }
```

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

```
.border{ border-color:rgb(137, 198, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 198, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 198, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 198, 182);  
box-shadow:4px 4px 4px 4px rgb(137, 198,  
182) }
```

Background

The CSS property to change the background color of an element to RYB 137, 172, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 182) }
```

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

```
.background{ background-color: rgb(137,  
198, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor