

Converting Colors

`RYB(137, 173, 197)`

Have a look what the booklet for
RYB(137, 173, 197) contains.

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Color

R_YB(137, 173, 197)

Conversions

Conversions Part 1

Format	Color
Hex	89C5B1
RGB	137, 197, 177
RGB Percent	54%, 77%, 69%
CMY	0.4627, 0.2275, 0.3059
CMYK	0.30, 0.00, 0.10, 0.23
HSL	160°, 34%, 65%
HSV	160°, 30%, 77%
XYZ	38.2186, 48.4252, 48.9276
YIQ	176.7800, -29.3400, -18.9400

Conversions

Conversions Part 2

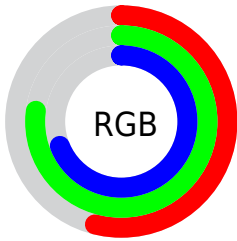
Format	Color
RYB	137, 173, 197
Decimal	9029041
CIELab	75.09, -23.59, 3.87
CIELCh	75, 23.907, 170.692
Yxy	48.4252, 0.2819, 0.3572
Android (android.graphics.Color)	4287219121 (0xFF89C5B1)
YUV	176.7800, 0.1085, -34.8871
Hunter-Lab	69.5882, -23.7453, 7.0248

Details

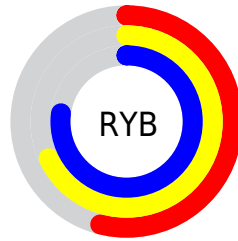
The RYB color **137, 173, 197** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **197, 137, 157**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **192, 229, 254**, and **85, 120, 143** is the 20% darker color. If you saturate the color by 10%, you get **117, 165, 197**, and if you desaturate by 10%, it is **157, 181, 197**.

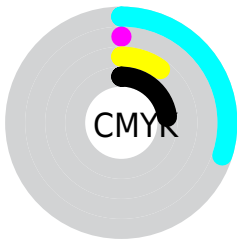
Distribution



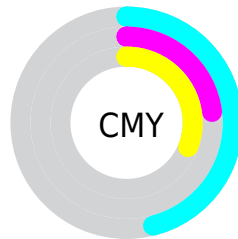
- Red (54%)
- Green (77%)
- Blue (69%)



- Red (54%)
- Yellow (68%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 173, 197 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, 173, 197 by changing the saturation by 10% instead.


 137, 173, 197


255, 255, 255


 192, 229, 254

 220, 238, 255

 249, 252, 255


 137, 173, 197

 111, 147, 170

 85, 120, 143

 59, 93, 117


 33, 67, 92


 1, 39, 68

 0, 27, 46

 0, 21, 27


 0, 0, 0


 137, 173, 197


 137, 173, 197

 117, 165, 197


 157, 181, 197


 98, 157, 197


 176, 189, 197


 78, 150, 197


 196, 197, 197

 58, 141, 197


 216, 197, 203

 39, 134, 197

 236, 197, 210


 19, 126, 197

 255, 197, 216

 0, 118, 197

 255, 197, 223

 255, 197, 230

 255, 197, 236

Harmonies

Analogous

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



156, 194, 190



137, 173, 197



123, 161, 200

Triad

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



137, 173, 197



179, 182, 226



224, 184, 152

Complementary

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



137, 173, 197



197, 137, 157

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, 170, 170



137, 173, 197



207, 174, 213

Square

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



137, 173, 197



150, 176, 228



225, 170, 193



188, 208, 142

Rectangle

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



137, 173, 197



124, 164, 213



225, 170, 193



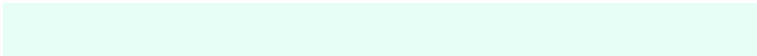
227, 176, 157

Sweetspot

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



137, 173, 197



232, 246, 255



137, 197, 177



113, 122, 128



0, 0, 0



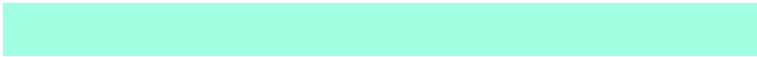
128, 128, 128

Same Dimension

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



137, 173, 197



161, 217, 255



137, 164, 197



90, 95, 99



0, 98, 163



0, 22, 36

Inverse Universe

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



197, 137, 157



255, 161, 192



197, 149, 137



99, 90, 93



163, 0, 54



36, 0, 12

Previews

White Background



This preview shows how the RYB color 137, 173, 197 looks on a white background.

Color Contrast Check

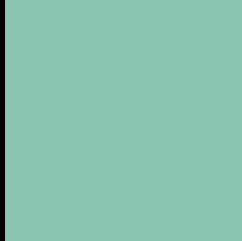
Large Text (above 18pt) WCAG AA × Fail

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, 173, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

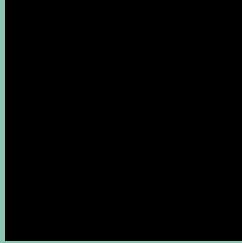
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

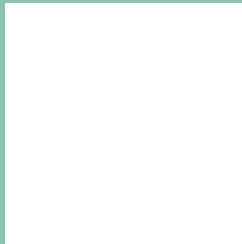
Any Text WCAG AAA ✓ Pass

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

RYB 137, 173, 197 Background



This preview shows how black text looks on a background with the RYB color 137, 173, 197.

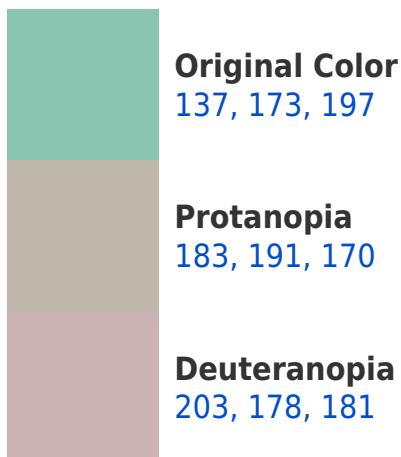


This preview shows how white text looks on a background with the RYB color 137, 173, 197.

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
144, 172, 208

Trichromacy



Original Color
137, 173, 197

Protanomaly
171, 186, 188

Deuteranomaly
179, 184, 185

Tritanomaly
141, 168, 197

Monochromacy



Original Color
137, 173, 197

Achromatopsia
177, 177, 177

Achromatomaly
162, 175, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 173, 197 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, 197, 177)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 177)  
}
```

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, 197, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 177) }
```

Border

The CSS property to change the border of an element to RYB 137, 173, 197 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, 197, 177) }
```

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

```
.border{ border-color:rgb(137, 197, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 197, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 197, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 197, 177);  
box-shadow:4px 4px 4px 4px rgb(137, 197,  
177) }
```

Background

The CSS property to change the background color of an element to RYB 137, 173, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 177) }
```

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

```
.background{ background-color: rgb(137,  
197, 177) }
```

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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