

Converting Colors

`RYB(137, 170, 172)`

Have a look what the booklet for
RYB(137, 170, 172) contains.

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Color

R_YB(137, 170, 172)

Conversions

Conversions Part 1

Format	Color
Hex	89AC8B
RGB	137, 172, 139
RGB Percent	54%, 67%, 55%
CMY	0.4627, 0.3255, 0.4544
CMYK	0.20, 0.00, 0.19, 0.33
HSL	124°, 17%, 61%
HSV	124°, 20%, 67%
XYZ	29.7381, 36.6910, 29.9873
YIQ	157.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

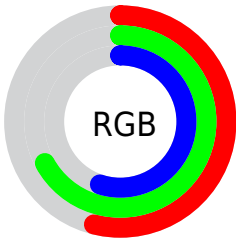
Format	Color
RYB	137, 170, 172
Decimal	9022603
CIELab	67.04, -18.51, 13.06
CIELCh	67, 22.653, 144.804
Yxy	36.6910, 0.3084, 0.3805
Android (android.graphics.Color)	4287212683 (0xFF89AC8B)
YUV	157.7730, -9.2551, -18.2179
Hunter-Lab	60.5731, -18.3692, 13.0491

Details

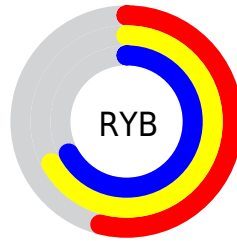
The RYB color **137, 170, 172** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **172, 137, 170**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **191, 225, 227**, and **86, 117, 120** is the 20% darker color. If you saturate the color by 10%, you get **120, 169, 172**, and if you desaturate by 10%, it is **154, 171, 172**.

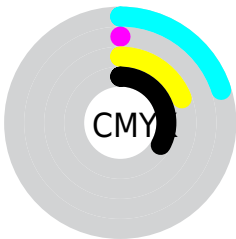
Distribution



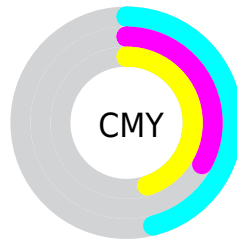
- Red (54%)
- Green (67%)
- Blue (55%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (33%)



- Cyan (46%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 170, 172 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, 170, 172 by changing the saturation by 10% instead.

 137, 170, 172


255, 255, 255


 191, 225, 227

 219, 253, 255

 247, 253, 255

 137, 170, 172

 111, 142, 145

 86, 117, 120


 62, 91, 95

 39, 67, 71


 17, 44, 48


 0, 28, 28

 0, 0, 0


 137, 170, 172


 120, 169, 172


 137, 170, 172


 154, 171, 172

 103, 168, 172


 171, 172, 172

 85, 166, 172


 189, 172, 188


 68, 166, 172


 206, 172, 204

 51, 165, 172

 223, 172, 220

 34, 164, 172

 240, 172, 236

 17, 163, 172

 255, 172, 252

 0, 163, 172

 255, 172, 255

Harmonies

Analogous

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



126, 167, 133



137, 170, 172



116, 150, 175

Triad

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



137, 170, 172



134, 156, 203



205, 149, 147

Complementary

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



137, 170, 172



172, 137, 170

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.



201, 149, 168



137, 170, 172



162, 159, 200

Square

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



137, 170, 172



111, 146, 196



186, 153, 187



198, 166, 131

Rectangle

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



137, 170, 172



107, 142, 175



186, 153, 187



205, 149, 154

Sweetspot

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



137, 170, 172



211, 223, 224



137, 172, 139



104, 111, 112



240, 240, 240



112, 112, 112

Same Dimension

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



137, 170, 172



171, 221, 224



137, 160, 172



78, 86, 87



0, 142, 150



0, 22, 23

Inverse Universe

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



172, 137, 170



224, 171, 221



172, 137, 153



87, 78, 86



150, 0, 141



23, 0, 22

Previews

White Background



This preview shows how the RYB color 137, 170, 172 looks on a white background.

Color Contrast Check

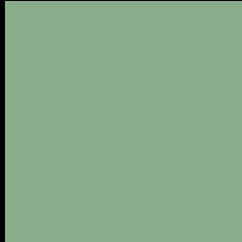
Large Text (above 18pt) WCAG AA × Fail

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, 170, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

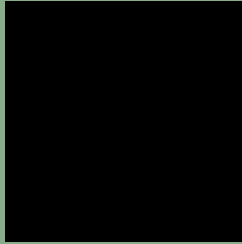
Any Text WCAG AA ✓ Pass

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](#).

R Y B 137, 170, 172 Background



This preview shows how black text looks on a background with the R Y B color 137, 170, 172.

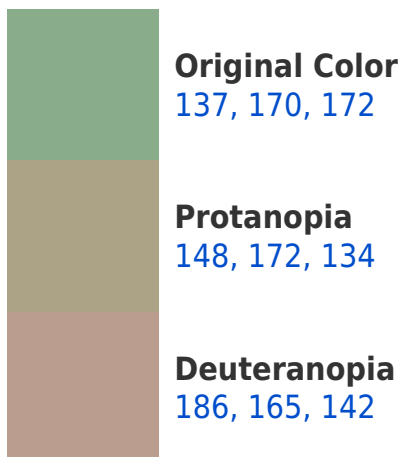


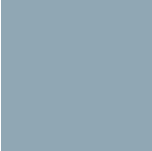
This preview shows how white text looks on a background with the R Y B color 137, 170, 172.

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, 158, 180

Trichromacy



Original Color

137, 170, 172

Protanomaly

136, 166, 143

Deuteranomaly

149, 168, 141

Tritanomaly

141, 155, 168

Monochromacy



Original Color

137, 170, 172

Achromatopsia

158, 158, 158

Achromatomaly

150, 162, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 170, 172 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, 172, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 139)  
}
```

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, 172, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 139) }
```

Border

The CSS property to change the border of an element to RYB 137, 170, 172 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, 172, 139) }
```

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

```
.border{ border-color:rgb(137, 172, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 172, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
139) }
```

Background

The CSS property to change the background color of an element to RYB 137, 170, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 139) }
```

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

```
.background{ background-color: rgb(137,  
172, 139) }
```

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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