

# Converting Colors

`RYB(137, 173, 152)`

Have a look what the booklet for  
RYB(137, 173, 152) contains.

<b>RYB(137, 173, 152)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(137, 173, 152)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9EAD89
RGB	158, 173, 137
RGB Percent	62%, 68%, 54%
CMY	0.3804, 0.3216, 0.4627
CMYK	0.09, 0.00, 0.21, 0.32
HSL	85°, 18%, 61%
HSV	85°, 21%, 68%
XYZ	33.5595, 38.9624, 29.4186
YIQ	164.4110, 2.6160, -14.3760

# Conversions

## Conversions Part 2

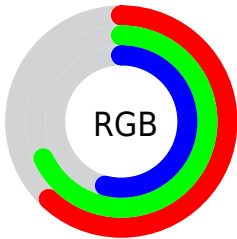
Format	Color
<a href="#">RYB</a>	<a href="#">137, 173, 152</a>
Decimal	<a href="#">10399113</a>
CIELab	<a href="#">68.72, -11.79, 16.78</a>
CIELCh	<a href="#">69, 20.510, 125.100</a>
Yxy	<a href="#">38.9624, 0.3292, 0.3822</a>
Android (android.graphics.Color)	<a href="#">4288589193</a> ( <a href="#">0xFF9EAD89</a> )
YUV	<a href="#">164.4110, -13.5136, -5.6224</a>
Hunter-Lab	<a href="#">62.4199, -13.2658, 15.7504</a>

# Details

The RYB color **137, 173, 152** is a light color, and the websafe version is hex **999966**. A complement of this color would be **152, 137, 173**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **190, 228, 205**, and **87, 121, 102** is the 20% darker color. If you saturate the color by 10%, you get **120, 173, 142**, and if you desaturate by 10%, it is **154, 173, 162**.

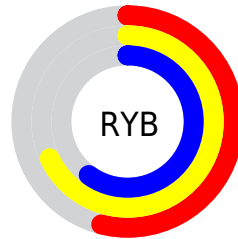
# Distribution



Red (62%)

Green (68%)

Blue (54%)



Red (54%)

Yellow (68%)

Blue (60%)

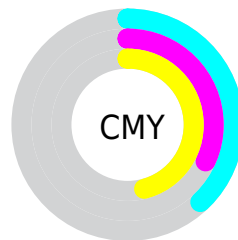


Cyan (9%)

Magenta (0%)

Yellow (21%)

Black (32%)



Cyan (38%)

Magenta (32%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 137, 173, 152 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, 152 by changing the saturation by 10% instead.



 137, 173, 152


255, 255, 255


 190, 228, 205

 218, 255, 232


 247, 255, 247

 137, 173, 152

 112, 146, 126

 87, 121, 102


 64, 96, 78


 41, 72, 54


 20, 50, 34


 0, 29, 12

 0, 0, 0

 137, 173, 152

 120, 173, 142

 137, 173, 152

 154, 173, 162

■ 102, 173, 131

■ 172, 173, 173

■ 85, 173, 122

■ 180, 173, 189

■ 68, 173, 112

■ 187, 173, 206

■ 51, 173, 102

■ 194, 173, 224

■ 33, 173, 91

■ 201, 173, 241

■ 16, 173, 81

■ 208, 173, 255

■ 0, 173, 72

■ 216, 173, 255

■ 223, 173, 255

# Harmonies

## Analogous

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



147, 179, 131



137, 173, 152



137, 167, 177

# Triad

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



137, 173, 152



128, 156, 201



205, 154, 165

# Complementary

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



137, 173, 152



152, 137, 173

# 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.



195, 157, 184



137, 173, 152



150, 164, 204

# Square

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



137, 173, 152



116, 149, 188



175, 162, 198



205, 158, 147

# Rectangle

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



137, 173, 152



125, 156, 178



175, 162, 198



203, 155, 171



# Sweetspot

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



137, 173, 152



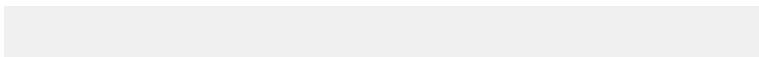
211, 224, 216



173, 163, 137



104, 112, 107



240, 240, 240



112, 112, 112



# Same Dimension

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



137, 173, 152



168, 224, 191



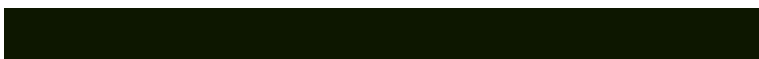
137, 173, 169



78, 87, 82



0, 150, 62



0, 23, 10



# Inverse Universe

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



152, 137, 173



192, 168, 224



170, 137, 173



82, 78, 87



63, 0, 150



10, 0, 23



# Previews

## White Background



This preview shows how the RYB color 137, 173, 152 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, 152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

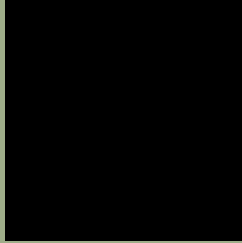
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 137, 173, 152 Background**



This preview shows how black text looks on a background with the RYB color 137, 173, 152.



This preview shows how white text looks on a background with the RYB color 137, 173, 152.

# 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](#).

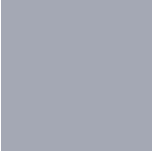
## Dichromacy



**Original Color**  
137, 173, 152

**Protanopia**  
149, 178, 134

**Deuteranopia**  
193, 176, 139



**Tritanopia**  
164, 167, 180

# Trichromacy



**Original Color**  
137, 173, 152

**Protanomaly**  
137, 171, 135

**Deuteranomaly**  
161, 180, 138

**Tritanomaly**  
162, 167, 169

# Monochromacy



**Original Color**  
137, 173, 152

**Achromatopsia**  
164, 164, 164

**Achromatomaly**  
154, 167, 159

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 137, 173, 152 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(158, 173, 137) looks like.

```
.text, #text, p{  
    color:rgb(158, 173, 137)  
}
```

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(158, 173, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 173, 137) }
```

## Border

The CSS property to change the border of an element to RYB 137, 173, 152 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(158, 173, 137) }
```

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

```
.border{ border-color:rgb(158, 173, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 173, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 173, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 173, 137);  
box-shadow:4px 4px 4px 4px rgb(158, 173,  
137) }
```

# Background

The CSS property to change the background color of an element to RYB 137, 173, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 173, 137) }
```

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

```
.background{ background-color: rgb(158,  
173, 137) }
```

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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