

Converting Colors

`RYB(137, 178, 137)`

Have a look what the booklet for
RYB(137, 178, 137) contains.

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Color

`RYB(137, 178, 137)`

Conversions

Conversions Part 1

Format	Color
Hex	B2B289
RGB	178, 178, 137
RGB Percent	70%, 70%, 54%
CMY	0.3020, 0.3020, 0.4627
CMYK	0.00, 0.00, 0.23, 0.30
HSL	60°, 21%, 62%
HSV	60°, 23%, 70%
XYZ	38.7958, 43.1119, 29.9436
YIQ	173.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

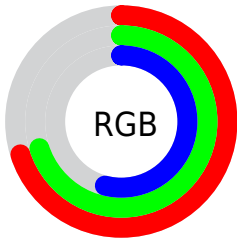
Format	Color
RYB	137, 178, 137
Decimal	11711113
CIELab	71.63, -6.82, 21.03
CIELCh	72, 22.107, 107.978
Yxy	43.1119, 0.3469, 0.3854
Android (android.graphics.Color)	4289901193 (0xFFB2B289)
YUV	173.3260, -17.9087, 4.0991
Hunter-Lab	65.6597, -9.4354, 18.9230

Details

The RYB color **137, 178, 137** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **137, 137, 178**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **191, 234, 191**, and **87, 125, 87** is the 20% darker color. If you saturate the color by 10%, you get **119, 178, 119**, and if you desaturate by 10%, it is **155, 178, 155**.

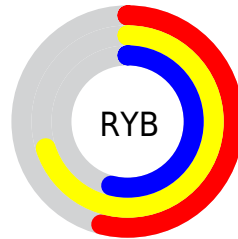
Distribution



Red (70%)

Green (70%)

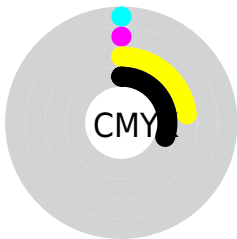
Blue (54%)



Red (54%)

Yellow (70%)

Blue (54%)

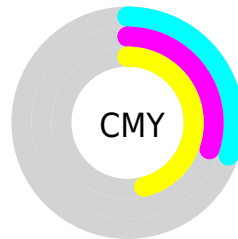


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 178, 137 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, 178, 137 by changing the saturation by 10% instead.

 137, 178, 137


255, 255, 255

 191, 234, 191

 218, 255, 218


 247, 255, 247

 137, 178, 137

 111, 151, 111


 87, 125, 87

 63, 101, 64

 41, 77, 43

 20, 54, 22

 0, 33, 1

 0, 11, 11

 0, 0, 0

 137, 178, 137

 137, 178, 137

■ 119, 178, 119

■ 155, 178, 155

■ 101, 178, 101

■ 173, 178, 173

■ 84, 178, 84

■ 178, 178, 190

■ 66, 178, 66

■ 178, 178, 208

■ 48, 178, 48

■ 178, 178, 226

■ 30, 178, 30

■ 178, 178, 244

■ 12, 178, 12

■ 178, 178, 255

■ 0, 178, 0

Harmonies

Analogous

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



184, 198, 136



137, 178, 137



148, 183, 176

Triad

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



137, 178, 137



122, 158, 205



211, 162, 184

Complementary

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



137, 178, 137



137, 137, 178

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.



193, 166, 203



137, 178, 137



141, 166, 214

Square

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



137, 178, 137



120, 154, 187



168, 173, 214



217, 161, 164

Rectangle

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



137, 178, 137



140, 172, 186



168, 173, 214



206, 163, 191

Sweetspot

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



137, 178, 137



216, 232, 216



178, 137, 137



108, 117, 108



245, 245, 245



117, 117, 117

Same Dimension

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



137, 178, 137



167, 232, 167



137, 178, 158



80, 89, 80



0, 153, 0



0, 26, 0

Inverse Universe

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



137, 137, 178



167, 167, 232



157, 137, 178



80, 80, 89



0, 0, 153



0, 0, 26

Previews

White Background



This preview shows how the RYB color 137, 178, 137 looks on a white background.

Color Contrast Check

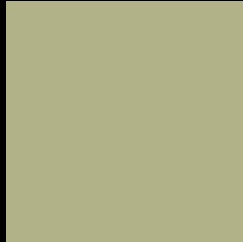
Large Text (above 18pt) WCAG AA × Fail

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, 178, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

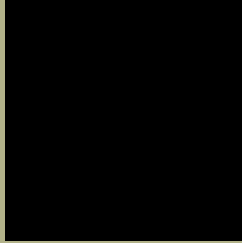
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

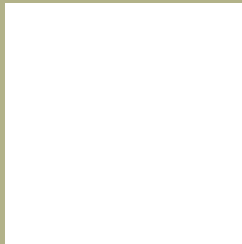
Any Text WCAG AAA ✓ Pass

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

RYB 137, 178, 137 Background



This preview shows how black text looks on a background with the RYB color 137, 178, 137.



This preview shows how white text looks on a background with the RYB color 137, 178, 137.

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, 178, 137

Protanopia
152, 187, 136

Deuteranopia
205, 191, 139



Tritanopia

184, 172, 185

Trichromacy



Original Color
137, 178, 137

Protanomaly
146, 184, 136

Deuteranomaly
177, 195, 138

Tritanomaly
182, 179, 168

Monochromacy



Original Color
137, 178, 137

Achromatopsia
173, 173, 173

Achromatomaly
160, 175, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 178, 137 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(178, 178, 137)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 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(178, 178, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 137) }
```

Border

The CSS property to change the border of an element to RYB 137, 178, 137 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(178, 178, 137) }
```

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

```
.border{ border-color:rgb(178, 178, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 137);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 137, 178, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 137) }
```

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

```
.background{ background-color: rgb(178,  
178, 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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