

Converting Colors

`RYB(37, 143, 137)`

Have a look what the booklet for
RYB(37, 143, 137) contains.

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Color

`RYB(37, 143, 137)`

Conversions

Conversions Part 1

Format	Color
Hex	2B8F25
RGB	43, 143, 37
RGB Percent	17%, 56%, 15%
CMY	0.8314, 0.4392, 0.8549
CMYK	0.70, 0.00, 0.74, 0.44
HSL	117°, 59%, 35%
HSV	117°, 74%, 56%
XYZ	11.1527, 20.2921, 5.0792
YIQ	101.0160, -25.5740, -54.1660

Conversions

Conversions Part 2

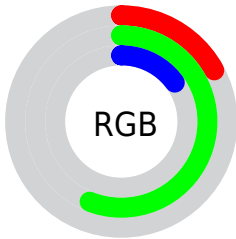
Format	Color
RYB	37, 143, 137
Decimal	2854693
CIELab	52.17, -49.03, 45.53
CIELCh	52, 66.914, 137.121
Yxy	20.2921, 0.3054, 0.5556
Android (android.graphics.Color)	4281044773 (0xFF2B8F25)
YUV	101.0160, -31.5599, -50.8800
Hunter-Lab	45.0467, -34.6388, 24.8475

Details

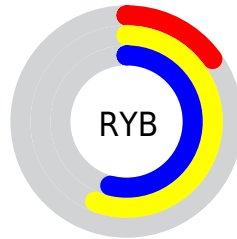
The RYB color **37, 143, 137** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **137, 37, 143**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **89, 198, 184**, and **0, 91, 91** is the 20% darker color. If you saturate the color by 10%, you get **23, 143, 136**, and if you desaturate by 10%, it is **51, 143, 138**.

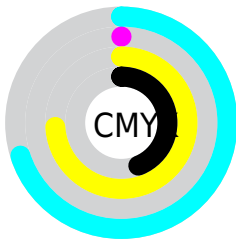
Distribution



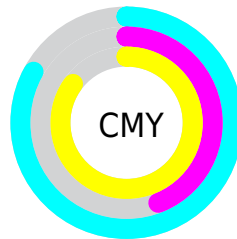
- Red (17%)
- Green (56%)
- Blue (15%)



- Red (15%)
- Yellow (56%)
- Blue (54%)



- Cyan (70%)
- Magenta (0%)
- Yellow (74%)
- Black (44%)



- Cyan (83%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 143, 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 37, 143, 137 by changing the saturation by 10% instead.



37, 143, 137



37, 143, 137

255, 255, 255



0, 112, 117



89, 198, 184



0, 91, 91



115, 226, 209



0, 67, 67



141, 255, 236



0, 45, 45



169, 255, 235



0, 14, 14



197, 255, 234



0, 0, 0



225, 255, 232

254, 255, 254



37, 143, 137



37, 143, 137

■ 23, 143, 136

■ 51, 143, 138

■ 8, 143, 135

■ 66, 143, 139

■ 0, 143, 135

■ 80, 143, 140

■ 94, 143, 140

■ 109, 143, 142

■ 123, 143, 142

■ 137, 143, 143

■ 151, 143, 151

■ 164, 143, 166

Harmonies

Analogous

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



0, 132, 13



37, 143, 137



0, 90, 149

Triad

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



37, 143, 137



0, 87, 237



225, 62, 94

Complementary

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



37, 143, 137



137, 37, 143

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.



214, 65, 152



37, 143, 137



58, 104, 235

Square

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



37, 143, 137



0, 86, 208



167, 92, 203



208, 105, 40

Rectangle

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



37, 143, 137



0, 78, 150



167, 92, 203



225, 59, 113

Sweetspot

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



37, 143, 137



145, 186, 183



44, 143, 37



70, 94, 93



222, 222, 222



94, 94, 94

Same Dimension

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



37, 143, 137



20, 186, 176



37, 111, 143



64, 71, 70



0, 135, 127



0, 8, 8

Inverse Universe

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



137, 37, 143



177, 20, 186



143, 37, 97



71, 64, 71



127, 0, 135



7, 0, 8

Previews

White Background



This preview shows how the RYB color 37, 143, 137 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 143, 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 × Fail

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

RYB 37, 143, 137 Background



This preview shows how black text looks on a background with the RYB color 37, 143, 137.



This preview shows how white text looks on a background with the RYB color 37, 143, 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
37, 143, 137

Protanopia
49, 139, 32

Deuteranopia
104, 154, 47



Tritanopia
71, 105, 144

Trichromacy



Original Color

37, 143, 137



Protanomaly

34, 131, 61



Deuteranomaly

43, 126, 55



Tritanomaly

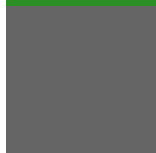
61, 109, 137

Monochromacy



Original Color

37, 143, 137



Achromatopsia

101, 101, 101



Achromatomaly

78, 116, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 143, 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(43, 143, 37)` looks like.

```
.text, #text, p{  
    color:rgb(43, 143, 37)  
}
```

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(43, 143, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 143, 37) }
```

Border

The CSS property to change the border of an element to RYB 37, 143, 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(43, 143, 37) }
```

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

```
.border{ border-color:rgb(43, 143, 37) }
```

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

Here you see how a box with a 4 pixel rgb(43, 143, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 143, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 143, 37);  
box-shadow:4px 4px 4px 4px rgb(43, 143,  
37) }
```

Background

The CSS property to change the background color of an element to RGB 37, 143, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 143, 37) }
```

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

```
.background{ background-color: rgb(43, 143,  
37) }
```

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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