

Converting Colors

`RYB(37, 176, 130)`

Have a look what the booklet for
RYB(37, 176, 130) contains.

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Color

RYB(37, 176, 130)

Conversions

Conversions Part 1

Format	Color
Hex	53B025
RGB	83, 176, 37
RGB Percent	33%, 69%, 15%
CMY	0.6745, 0.3098, 0.8549
CMYK	0.53, 0.00, 0.79, 0.31
HSL	100°, 65%, 42%
HSV	100°, 79%, 69%
XYZ	19.4265, 33.0232, 7.1005
YIQ	132.3470, -10.8090, -62.9450

Conversions

Conversions Part 2

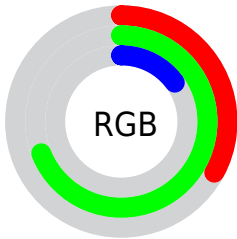
Format	Color
RYB	37, 176, 130
Decimal	5484581
CIELab	64.18, -51.08, 57.74
CIELCh	64, 77.089, 131.497
Yxy	33.0232, 0.3262, 0.5545
Android (android.graphics.Color)	4283674661 (0xFF53B025)
YUV	132.3470, -47.0061, -43.2773
Hunter-Lab	57.4659, -40.2227, 32.9002

Details

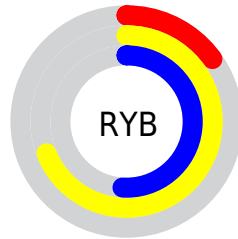
The RYB color **37, 176, 130** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **130, 37, 176**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **93, 232, 184**, and **0, 122, 117** is the 20% darker color. If you saturate the color by 10%, you get **19, 176, 124**, and if you desaturate by 10%, it is **55, 176, 136**.

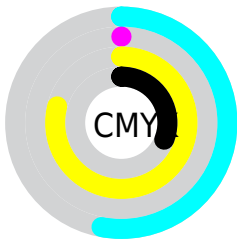
Distribution



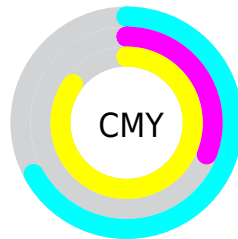
- Red (33%)
- Green (69%)
- Blue (15%)



- Red (15%)
- Yellow (69%)
- Blue (51%)



- Cyan (53%)
- Magenta (0%)
- Yellow (79%)
- Black (31%)




- Cyan (67%)
- Magenta (31%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 176, 130 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, 176, 130 by changing the saturation by 10% instead.

 37, 176, 130

255, 255, 255

 93, 232, 184


 121, 255, 206


 148, 255, 204

 176, 255, 202


 204, 255, 204

 233, 255, 233

 37, 176, 130

 0, 149, 97

 0, 122, 117


 0, 97, 97


 0, 72, 72


 0, 49, 49


 0, 23, 23

 0, 0, 0

 37, 176, 130

 19, 176, 124

 37, 176, 130

 55, 176, 136

■ 2, 176, 119

■ 72, 176, 141

■ 0, 176, 118

■ 90, 176, 148

■ 107, 176, 153

■ 125, 176, 159

■ 143, 176, 165

■ 160, 176, 171

■ 177, 176, 178

■ 189, 176, 195

Harmonies

Analogous

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



1, 162, 0



37, 176, 130



0, 116, 184

Triad

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



37, 176, 130



0, 104, 255



255, 80, 132

Complementary

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



37, 176, 130



130, 37, 176

Split Complementary

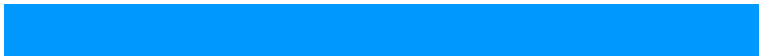
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 90, 201



37, 176, 130



0, 96, 255

Square

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



37, 176, 130



0, 105, 246



191, 124, 255



255, 113, 67

Rectangle

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



37, 176, 130



0, 101, 186



191, 124, 255



255, 79, 155

Sweetspot

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



37, 176, 130



174, 230, 211



106, 176, 37



81, 115, 104



242, 242, 242



115, 115, 115

Same Dimension

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



37, 176, 130



11, 230, 157



37, 156, 176



80, 89, 86



0, 153, 102



0, 26, 18

Inverse Universe

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



130, 37, 176



157, 11, 230



176, 37, 153



86, 80, 89



102, 0, 153



17, 0, 26

Previews

White Background



This preview shows how the RYB color 37, 176, 130 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 37, 176, 130 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 37, 176, 130 Background



This preview shows how black text looks on a background with the RYB color 37, 176, 130.

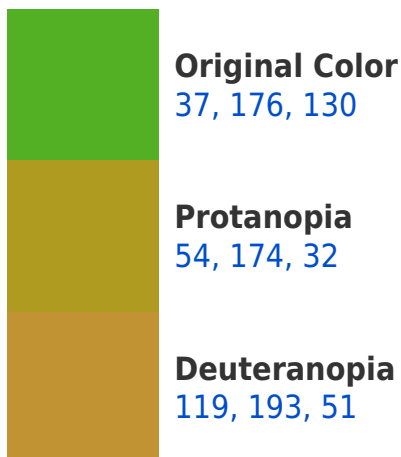


This preview shows how white text looks on a background with the RYB color 37, 176, 130.

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
107, 138, 177

Trichromacy



Original Color
37, 176, 130

Protanomaly
34, 163, 56

Deuteranomaly
46, 158, 51

Tritanomaly
98, 148, 168

Monochromacy



Original Color
37, 176, 130

Achromatopsia
132, 132, 132

Achromatomaly
97, 148, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 176, 130 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(83, 176, 37)` looks like.

```
.text, #text, p{  
    color:rgb(83, 176, 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(83, 176, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 176, 37) }
```

Border

The CSS property to change the border of an element to RYB 37, 176, 130 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(83, 176, 37) }
```

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

```
.border{ border-color:rgb(83, 176, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 176, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 176, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 176, 37);  
box-shadow:4px 4px 4px 4px rgb(83, 176,  
37) }
```

Background

The CSS property to change the background color of an element to RYB 37, 176, 130 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 176, 37) }
```

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

```
.background{ background-color: rgb(83, 176,  
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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