

Converting Colors

`RYB(37, 130, 186)`

Have a look what the booklet for
RYB(37, 130, 186) contains.

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Color

R_YB(37, 130, 186)

Conversions

Conversions Part 1

Format	Color
Hex	25BA7F
RGB	37, 186, 127
RGB Percent	15%, 73%, 50%
CMY	0.8549, 0.2706, 0.5031
CMYK	0.80, 0.00, 0.32, 0.27
HSL	156°, 67%, 44%
HSV	156°, 80%, 73%
XYZ	22.1344, 37.0362, 25.9654
YIQ	134.7230, -69.8650, -49.9370

Conversions

Conversions Part 2

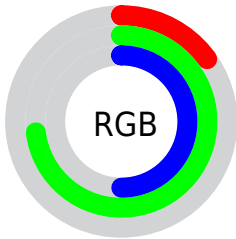
Format	Color
RYB	37, 130, 186
Decimal	2472575
CIELab	67.30, -51.45, 19.60
CIELCh	67, 55.059, 159.143
Yxy	37.0362, 0.2600, 0.4350
Android (android.graphics.Color)	4280662655 (0xFF25BA7F)
YUV	134.7230, -3.8074, -85.7031
Hunter-Lab	60.8573, -41.5781, 17.3035

Details

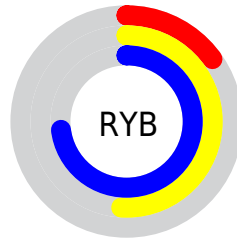
The RYB color **37, 130, 186** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **186, 37, 96**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **108, 196, 243**, and **0, 83, 132** is the 20% darker color. If you saturate the color by 10%, you get **18, 123, 186**, and if you desaturate by 10%, it is **56, 137, 186**.

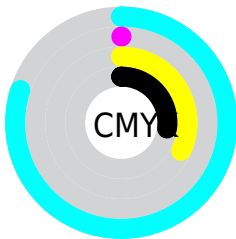
Distribution



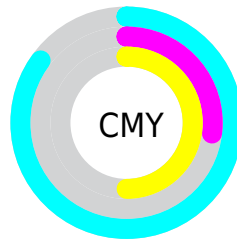
- Red (15%)
- Green (73%)
- Blue (50%)



- Red (15%)
- Yellow (51%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 130, 186 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, 130, 186 by changing the saturation by 10% instead.

 37, 130, 186

 37, 130, 186

255, 255, 255

 0, 96, 158

 108, 196, 243

 0, 83, 132

 138, 212, 255

 0, 69, 105

 168, 217, 255

 0, 57, 80


 198, 227, 255


 0, 48, 56


 228, 242, 255


 0, 33, 33

 0, 0, 0

 37, 130, 186

 37, 130, 186

 18, 123, 186

 56, 137, 186

■ 0, 116, 186

■ 74, 144, 186

■ 93, 151, 186

■ 111, 158, 186

■ 130, 165, 186

■ 149, 172, 186

■ 167, 179, 186

■ 186, 186, 186

■ 204, 186, 193

Harmonies

Analogous

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



83, 179, 138



37, 130, 186



0, 97, 189

Triad

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



37, 130, 186



101, 146, 255



248, 136, 104

Complementary

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



37, 130, 186



186, 37, 96

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, 120, 151



37, 130, 186



187, 145, 241

Square

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



37, 130, 186



0, 105, 255



236, 126, 200



203, 220, 69

Rectangle

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



37, 130, 186



0, 99, 211



236, 126, 200



253, 125, 118

Sweetspot

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



37, 130, 186



184, 220, 242



37, 186, 126



87, 109, 122



250, 250, 250



122, 122, 122

Same Dimension

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



37, 130, 186



10, 155, 242



37, 108, 186



83, 89, 92



0, 97, 156



0, 17, 28

Inverse Universe

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



186, 37, 96



242, 10, 102



186, 54, 37



92, 83, 86



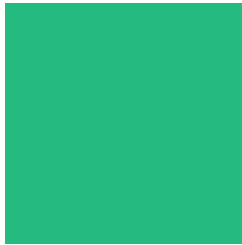
156, 0, 62



28, 0, 11

Previews

White Background



This preview shows how the RYB color 37, 130, 186 looks on a white background.

Color Contrast Check

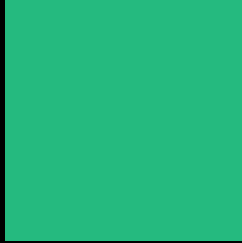
Large Text (above 18pt) WCAG AA × Fail

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, 130, 186 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, 130, 186 Background



This preview shows how black text looks on a background with the RYB color 37, 130, 186.

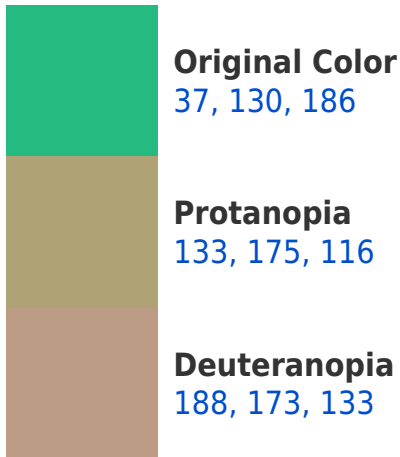


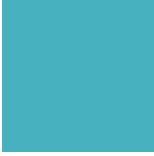
This preview shows how white text looks on a background with the RYB color 37, 130, 186.

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
72, 128, 192

Trichromacy



Original Color

37, 130, 186



Protanomaly

120, 171, 166



Deuteranomaly

131, 167, 165



Tritanomaly

59, 123, 181

Monochromacy



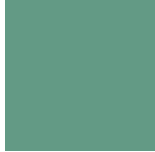
Original Color

37, 130, 186



Achromatopsia

135, 135, 135



Achromatomaly

99, 133, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 130, 186 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(37, 186, 127)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 127)  
}
```

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(37, 186, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 127) }
```

Border

The CSS property to change the border of an element to RYB 37, 130, 186 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(37, 186, 127) }
```

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

```
.border{ border-color:rgb(37, 186, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 186, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 127);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
127) }
```

Background

The CSS property to change the background color of an element to RGB 37, 130, 186 is called "background".

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

```
.background, #background, body{  
background: rgb(37, 186, 127) }
```

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

```
.background{ background-color: rgb(37, 186,  
127) }
```

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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