

Converting Colors

`RYB(37, 133, 228)`

Have a look what the booklet for
RYB(37, 133, 228) contains.

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Color

R_YB(37, 133, 228)

Conversions

Conversions Part 1

Format	Color
Hex	25E4E2
RGB	37, 228, 226
RGB Percent	15%, 89%, 89%
CMY	0.8549, 0.1059, 0.1137
CMYK	0.84, 0.00, 0.01, 0.11
HSL	179°, 78%, 52%
HSV	179°, 84%, 89%
XYZ	42.2352, 61.3717, 81.5789
YIQ	170.6630, -113.1940, -41.1140

Conversions

Conversions Part 2

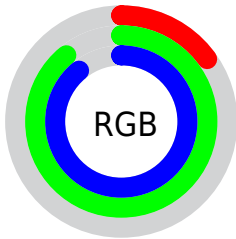
Format	Color
R _{YB}	37, 133, 228
Decimal	2483426
CIE Lab	82.58, -43.36, -11.69
CIE LCh	83, 44.906, 195.086
Yxy	61.3717, 0.2281, 0.3314
Android (android.graphics.Color)	4280673506 (0xFF25E4E2)
YUV	170.6630, 27.2811, -117.2225
Hunter-Lab	78.3401, -40.8610, -6.9032

Details

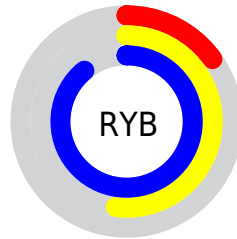
The RYB color **37, 133, 228** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **228, 37, 39**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **122, 189, 255**, and **0, 86, 172** is the 20% darker color. If you saturate the color by 10%, you get **14, 122, 228**, and if you desaturate by 10%, it is **60, 145, 228**.

Distribution



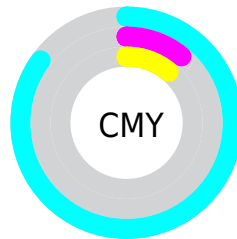
- Red (15%)
- Green (89%)
- Blue (89%)



- Red (15%)
- Yellow (52%)
- Blue (89%)



- Cyan (84%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)




















- Cyan (85%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 133, 228 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, 133, 228 by changing the saturation by 10% instead.

 37, 133, 228	 37, 133, 228
 255, 255, 255	 0, 101, 200
 122, 189, 255	 0, 86, 172
 155, 205, 255	 0, 73, 145
 187, 221, 255	 0, 59, 119
 219, 237, 255	 0, 47, 94
 251, 253, 255	 0, 34, 70
	 0, 23, 48
	 0, 11, 28
	 0, 0, 0

■ 37, 133, 228

■ 37, 133, 228

■ 14, 122, 228

■ 60, 145, 228

■ 0, 115, 228

■ 83, 156, 228

■ 105, 167, 228

■ 128, 178, 228

■ 151, 190, 228

■ 174, 201, 228

■ 197, 213, 228

■ 219, 224, 228

■ 242, 228, 228

Harmonies

Analogous

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



110, 182, 227



37, 133, 228



0, 120, 255

Triad

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



37, 133, 228



237, 187, 255



221, 251, 124

Complementary

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



37, 133, 228



228, 37, 39

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, 196, 148



37, 133, 228



255, 175, 228

Square

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



37, 133, 228



179, 197, 255



255, 173, 186



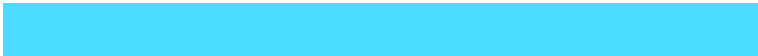
125, 212, 123

Rectangle

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



37, 133, 228



75, 155, 255



255, 173, 186



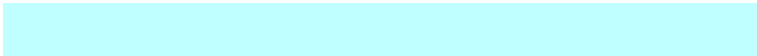
255, 249, 130

Sweetspot

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



37, 133, 228



191, 223, 255



37, 228, 225



89, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 133, 228



0, 128, 255



37, 102, 228



103, 109, 115



0, 90, 179



0, 26, 51

Inverse Universe

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



228, 37, 39



255, 0, 3



228, 214, 37



115, 103, 103



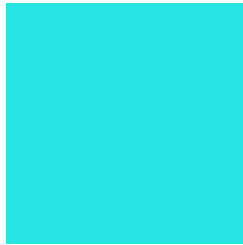
179, 0, 2



51, 0, 1

Previews

White Background



This preview shows how the RYB color 37, 133, 228 looks on a white background.

Color Contrast Check

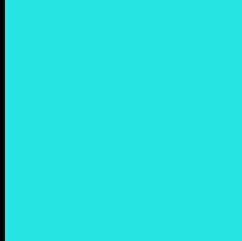
Large Text (above 18pt) WCAG AA × Fail

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, 133, 228 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, 133, 228 Background



This preview shows how black text looks on a background with the RYB color 37, 133, 228.



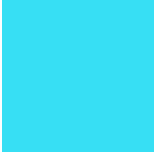
This preview shows how white text looks on a background with the RYB color 37, 133, 228.

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
55, 144, 244

Trichromacy



Original Color

37, 133, 228



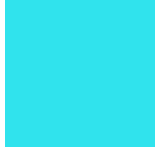
Protanomaly

144, 179, 216



Deuteranomaly

147, 183, 230



Tritanomaly

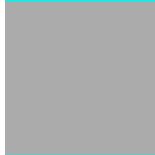
48, 140, 237

Monochromacy



Original Color

37, 133, 228



Achromatopsia

171, 171, 171



Achromatomaly

122, 157, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 133, 228 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, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(37, 228, 226)  
}
```

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, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 228, 226) }
```

Border

The CSS property to change the border of an element to RYB 37, 133, 228 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, 228, 226) }
```

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

```
.border{ border-color:rgb(37, 228, 226) }
```

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

Here you see how a box with a 4 pixel rgb(37, 228, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(37, 228,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 37, 133, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 228, 226) }
```

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

```
.background{ background-color: rgb(37, 228,  
226) }
```

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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