

Converting Colors

`RYB(37, 129, 223)`

Have a look what the booklet for
RYB(37, 129, 223) contains.

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Color

`RYB(37, 129, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	25DBDF
RGB	37, 219, 223
RGB Percent	15%, 86%, 87%
CMY	0.8549, 0.1410, 0.1255
CMYK	0.83, 0.02, 0.00, 0.13
HSL	181°, 74%, 51%
HSV	181°, 83%, 87%
XYZ	39.4249, 56.4063, 78.6216
YIQ	165.0380, -109.7560, -37.3400

Conversions

Conversions Part 2

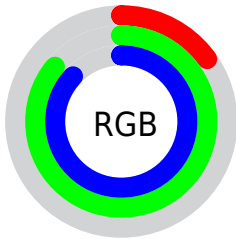
Format	Color
R _Y B	37, 129, 223
Decimal	2481119
CIE Lab	79.84, -40.23, -14.18
CIE LCh	80, 42.658, 199.414
Yxy	56.4063, 0.2260, 0.3233
Android (android.graphics.Color)	4280671199 (0xFF25DBDF)
YUV	165.0380, 28.5753, -112.2893
Hunter-Lab	75.1041, -37.7311, -9.4940

Details

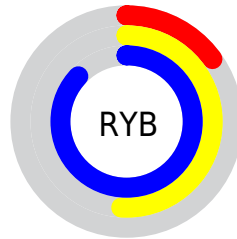
The RYB color **37, 129, 223** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **223, 41, 37**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **120, 188, 255**, and **0, 83, 168** is the 20% darker color. If you saturate the color by 10%, you get **15, 118, 223**, and if you desaturate by 10%, it is **59, 140, 223**.

Distribution



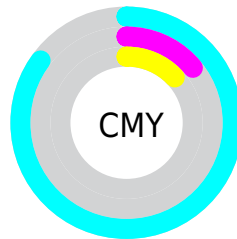
- Red (15%)
- Green (86%)
- Blue (87%)



- Red (15%)
- Yellow (51%)
- Blue (87%)



- Cyan (83%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)




















- Cyan (85%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 129, 223 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, 129, 223 by changing the saturation by 10% instead.

 37, 129, 223	 37, 129, 223
 255, 255, 255	 0, 96, 195
 120, 188, 255	 0, 83, 168
 153, 204, 255	 0, 70, 142
 185, 220, 255	 0, 57, 116
 217, 236, 255	 0, 44, 91
 248, 252, 255	 0, 32, 68
	 0, 21, 46
	 0, 1, 26
	 0, 0, 0

■ 37, 129, 223

■ 37, 129, 223

■ 15, 118, 223

■ 59, 140, 223

■ 0, 110, 223

■ 82, 152, 223

■ 104, 163, 223

■ 126, 174, 223

■ 149, 185, 223

■ 171, 197, 223

■ 193, 208, 223

■ 215, 219, 223

■ 238, 223, 223

Harmonies

Analogous

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



100, 170, 218



37, 129, 223



38, 135, 255

Triad

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



37, 129, 223



234, 178, 250



196, 237, 120

Complementary

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



37, 129, 223



223, 41, 37

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, 139



37, 129, 223



255, 168, 214

Square

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



37, 129, 223



182, 192, 255



255, 168, 173



122, 204, 128

Rectangle

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



37, 129, 223



90, 159, 255



255, 168, 173



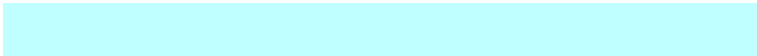
245, 247, 124

Sweetspot

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



37, 129, 223



191, 223, 255



37, 220, 223



89, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 129, 223



0, 126, 255



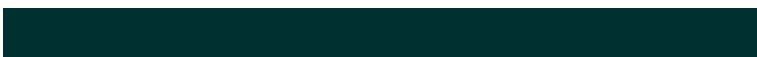
37, 98, 223



101, 107, 112



0, 87, 176



0, 24, 48

Inverse Universe

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



223, 37, 219



255, 0, 250



211, 223, 37



112, 101, 112



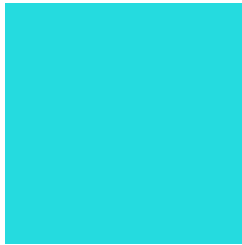
176, 0, 172



48, 0, 47

Previews

White Background



This preview shows how the RYB color 37, 129, 223 looks on a white background.

Color Contrast Check

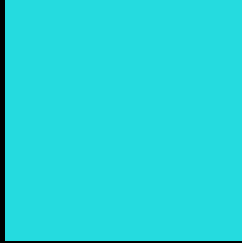
Large Text (above 18pt) WCAG AA × Fail

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, 129, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

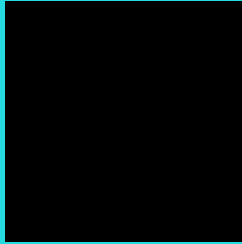
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

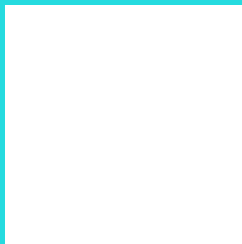
Any Text WCAG AAA ✓ Pass

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

RYB 37, 129, 223 Background



This preview shows how black text looks on a background with the RYB color 37, 129, 223.

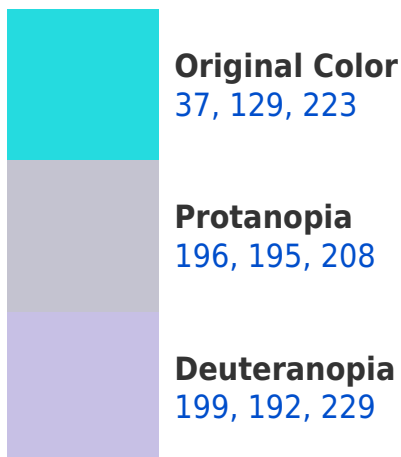


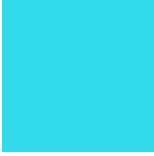
This preview shows how white text looks on a background with the RYB color 37, 129, 223.

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
50, 138, 235

Trichromacy



Original Color

37, 129, 223



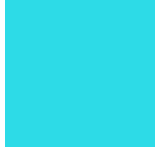
Protanomaly

138, 173, 213



Deuteranomaly

140, 176, 227



Tritanomaly

45, 135, 231

Monochromacy



Original Color

37, 129, 223



Achromatopsia

165, 165, 165



Achromatomaly

118, 152, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 129, 223 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, 219, 223)` looks like.

```
.text, #text, p{  
    color:rgb(37, 219, 223)  
}
```

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, 219, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 219, 223) }
```

Border

The CSS property to change the border of an element to RYB 37, 129, 223 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, 219, 223) }
```

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

```
.border{ border-color:rgb(37, 219, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 219, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 219, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 219, 223);  
box-shadow:4px 4px 4px 4px rgb(37, 219,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 37, 129, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 219, 223) }
```

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

```
.background{ background-color: rgb(37, 219,  
223) }
```

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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