

Converting Colors

`RYB(37, 131, 221)`

Have a look what the booklet for
RYB(37, 131, 221) contains.

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Color

$\text{RYB}(37, 131, 221)$

Conversions

Conversions Part 1

Format	Color
Hex	25DDD5
RGB	37, 221, 213
RGB Percent	15%, 87%, 84%
CMY	0.8549, 0.1333, 0.1640
CMYK	0.83, 0.00, 0.04, 0.13
HSL	177°, 73%, 51%
HSV	177°, 83%, 87%
XYZ	38.6513, 56.9190, 72.0134
YIQ	165.0720, -107.0960, -41.4960

Conversions

Conversions Part 2

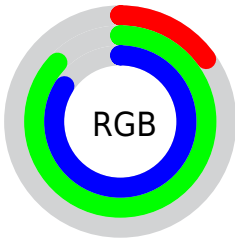
Format	Color
RYB	37, 131, 221
Decimal	2481621
CIELab	80.13, -43.94, -8.51
CIELCh	80, 44.752, 190.956
Yxy	56.9190, 0.2306, 0.3396
Android (android.graphics.Color)	4280671701 (0xFF25DDD5)
YUV	165.0720, 23.6285, -112.3191
Hunter-Lab	75.4447, -40.5803, -3.7822

Details

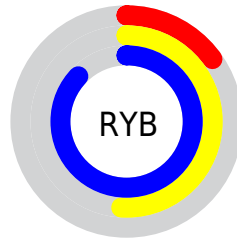
The RYB color **37, 131, 221** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **221, 37, 45**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **120, 188, 255**, and **0, 84, 165** is the 20% darker color. If you saturate the color by 10%, you get **15, 120, 221**, and if you desaturate by 10%, it is **59, 142, 221**.

Distribution



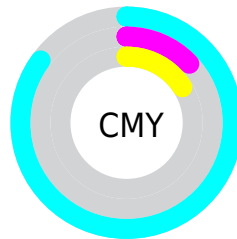
- Red (15%)
- Green (87%)
- Blue (84%)



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



- Cyan (83%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)




















- Cyan (85%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 131, 221 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, 131, 221 by changing the saturation by 10% instead.

 37, 131, 221	 37, 131, 221
 255, 255, 255	 0, 98, 193
 120, 188, 255	 0, 84, 165
 152, 204, 255	 0, 70, 138
 184, 220, 255	 0, 57, 112
 216, 236, 255	 0, 45, 87
 247, 251, 255	 0, 32, 62
	 0, 21, 41
	 0, 2, 19
	 0, 0, 0

■ 37, 131, 221

■ 37, 131, 221

■ 15, 120, 221

■ 59, 142, 221

■ 0, 113, 221

■ 81, 153, 221

■ 103, 163, 221

■ 125, 174, 221

■ 148, 185, 221

■ 170, 196, 221

■ 192, 207, 221

■ 214, 218, 221

■ 236, 221, 222

Harmonies

Analogous

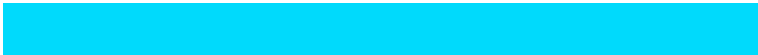
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



111, 181, 219



37, 131, 221



0, 117, 252

Triad

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



37, 131, 221



223, 182, 255



237, 248, 120

Complementary

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



37, 131, 221



221, 37, 45

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, 182, 146



37, 131, 221



255, 169, 227

Square

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



37, 131, 221



162, 188, 255



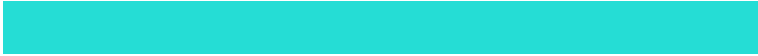
255, 166, 185



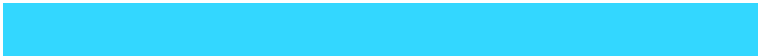
126, 211, 115

Rectangle

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



37, 131, 221



51, 142, 255



255, 166, 185



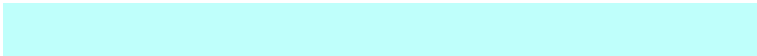
255, 223, 127

Sweetspot

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



37, 131, 221



191, 224, 255



37, 221, 212



89, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 131, 221



0, 130, 255



37, 102, 221



99, 105, 110



0, 88, 173



0, 24, 46

Inverse Universe

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



221, 37, 45



255, 0, 11



221, 188, 37



110, 99, 99



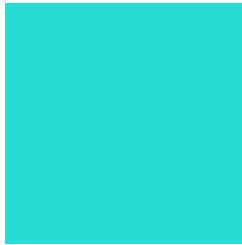
173, 0, 7



46, 0, 2

Previews

White Background



This preview shows how the RYB color 37, 131, 221 looks on a white background.

Color Contrast Check

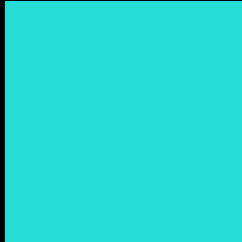
Large Text (above 18pt) WCAG AA × Fail

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, 131, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

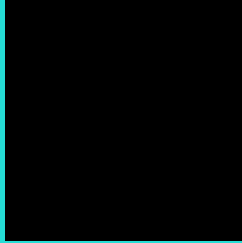
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

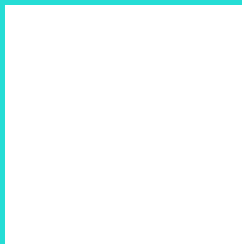
Any Text WCAG AAA ✓ Pass

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

RGB 37, 131, 221 Background



This preview shows how black text looks on a background with the RGB color 37, 131, 221.



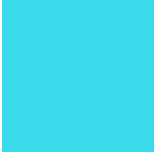
This preview shows how white text looks on a background with the RGB color 37, 131, 221.

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





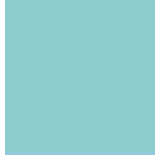
Tritanopia
58, 142, 235

Trichromacy



Original Color

37, 131, 221



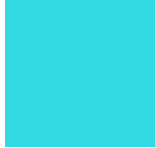
Protanomaly

141, 173, 205



Deuteranomaly

145, 177, 218



Tritanomaly

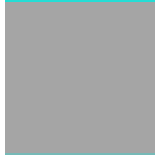
50, 136, 227

Monochromacy



Original Color

37, 131, 221



Achromatopsia

165, 165, 165



Achromatomaly

118, 152, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 131, 221 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, 221, 213)` looks like.

```
.text, #text, p{  
    color:rgb(37, 221, 213)  
}
```

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, 221, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 221, 213) }
```

Border

The CSS property to change the border of an element to RYB 37, 131, 221 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, 221, 213) }
```

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

```
.border{ border-color:rgb(37, 221, 213) }
```

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

Here you see how a box with a 4 pixel rgb(37, 221, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 221, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 221, 213);  
box-shadow:4px 4px 4px 4px rgb(37, 221,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 37, 131, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 221, 213) }
```

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

```
.background{ background-color: rgb(37, 221,  
213) }
```

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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