

Converting Colors

`RYB(37, 136, 251)`

Have a look what the booklet for
RYB(37, 136, 251) contains.

RYB(37, 136, 251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(37, 136, 251)`

Conversions

Conversions Part 1

Format	Color
Hex	25DDFB
RGB	37, 221, 251
RGB Percent	15%, 87%, 98%
CMY	0.8549, 0.1324, 0.0157
CMYK	0.85, 0.12, 0.00, 0.02
HSL	188°, 96%, 56%
HSV	188°, 85%, 98%
XYZ	44.0917, 59.1907, 100.3679
YIQ	169.4040, -119.2940, -29.6780

Conversions

Conversions Part 2

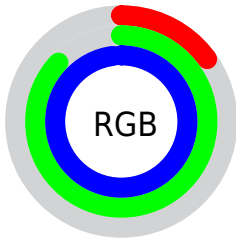
Format	Color
RYB	37, 136, 251
Decimal	2481659
CIELab	81.40, -32.75, -26.72
CIELCh	81, 42.270, 219.207
Yxy	59.1907, 0.2165, 0.2906
Android (android.graphics.Color)	4280671739 (0xFF25DDFB)
YUV	169.4040, 40.2268, -116.1183
Hunter-Lab	76.9355, -32.3388, -23.4932

Details

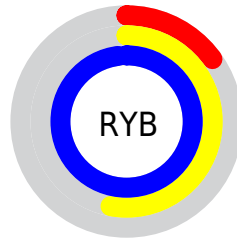
The RYB color **37, 136, 251** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **251, 72, 37**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **124, 190, 255**, and **0, 89, 194** is the 20% darker color. If you saturate the color by 10%, you get **12, 123, 251**, and if you desaturate by 10%, it is **62, 150, 251**.

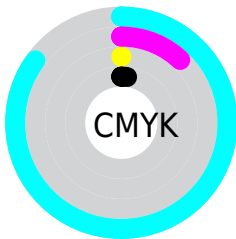
Distribution



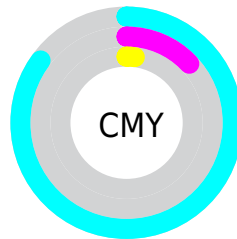
- Red (15%)
- Green (87%)
- Blue (98%)



- Red (15%)
- Yellow (53%)
- Blue (98%)



- Cyan (85%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)




















- Cyan (85%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 136, 251 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, 136, 251 by changing the saturation by 10% instead.

 37, 136, 251	 37, 136, 251
 255, 255, 255	 0, 103, 222
 124, 190, 255	 0, 89, 194
 158, 207, 255	 0, 76, 167
 190, 223, 255	 0, 63, 141
 223, 239, 255	 0, 50, 115
 254, 255, 255	 0, 37, 90
	 0, 26, 67
	 0, 10, 45
	 0, 1, 23

■ 37, 136, 251

■ 37, 136, 251

■ 12, 123, 251

■ 62, 150, 251

■ 0, 116, 251

■ 87, 163, 251

■ 112, 176, 251

■ 137, 190, 251

■ 163, 204, 251

■ 188, 217, 251

■ 213, 231, 251

■ 238, 244, 251

■ 255, 255, 251

Harmonies

Analogous

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



69, 149, 224



37, 136, 251



97, 164, 255

Triad

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



37, 136, 251



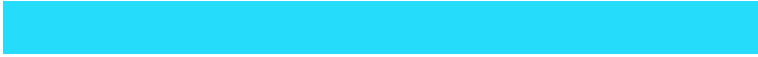
255, 175, 231



137, 216, 123

Complementary

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



37, 136, 251



251, 72, 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.



252, 250, 129



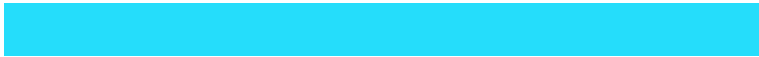
37, 136, 251



255, 171, 191

Square

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



37, 136, 251



223, 188, 255



255, 185, 154



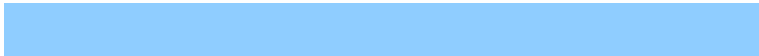
140, 215, 182

Rectangle

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



37, 136, 251



143, 183, 255



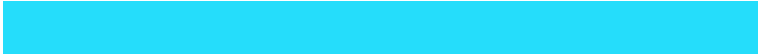
255, 185, 154



164, 229, 122

Sweetspot

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



37, 136, 251



189, 220, 255



37, 225, 251



88, 106, 128



0, 0, 0



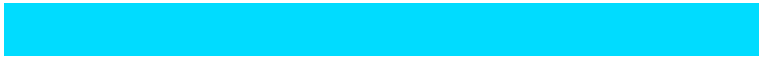
128, 128, 128

Same Dimension

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



37, 136, 251



0, 118, 255



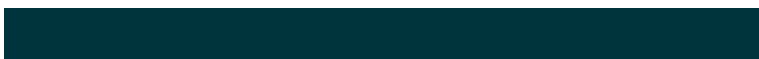
37, 94, 251



112, 118, 125



0, 87, 189



0, 28, 61

Inverse Universe

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



251, 37, 221



255, 0, 220



160, 251, 37



125, 112, 123



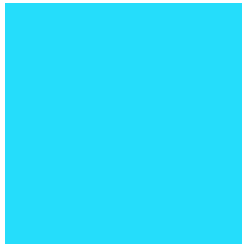
189, 0, 162



61, 0, 53

Previews

White Background



This preview shows how the RYB color 37, 136, 251 looks on a white background.

Color Contrast Check

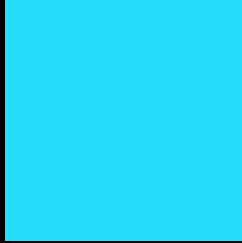
Large Text (above 18pt) WCAG AA × Fail

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, 136, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

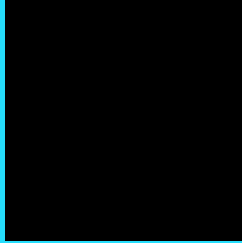
Any Text WCAG AA ✓ Pass

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, 136, 251 Background



This preview shows how black text looks on a background with the RYB color 37, 136, 251.

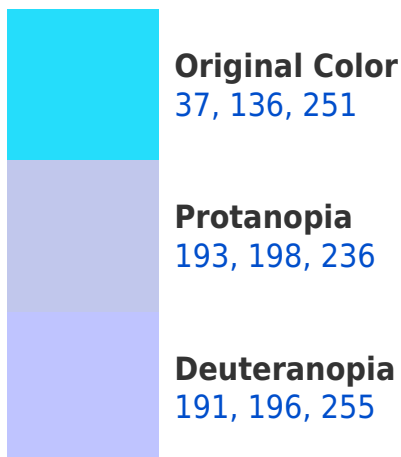


This preview shows how white text looks on a background with the RYB color 37, 136, 251.

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
16, 124, 241

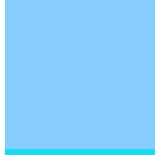
Trichromacy



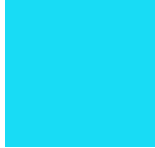
Original Color
37, 136, 251



Protanomaly
136, 178, 241



Deuteranomaly
135, 179, 254

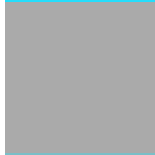


Tritanomaly
24, 128, 245

Monochromacy



Original Color
37, 136, 251



Achromatopsia
170, 170, 170



Achromatomaly
122, 158, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 136, 251 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(37, 221, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 221, 251) }
```

Border

The CSS property to change the border of an element to RYB 37, 136, 251 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, 251) }
```

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

```
.border{ border-color:rgb(37, 221, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 221, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 221, 251);  
box-shadow:4px 4px 4px 4px rgb(37, 221,  
251) }
```

Background

The CSS property to change the background color of an element to RGB 37, 136, 251 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, 251) }
```

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

```
.background{ background-color: rgb(37, 221,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor