

Converting Colors

`RYB(0, 137, 255)`

Have a look what the booklet for
RYB(0, 137, 255) contains.

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Color

RYB(0, 137, 255)

Conversions

Conversions Part 1

Format	Color
Hex	00FFDC
RGB	0, 255, 220
RGB Percent	0%, 100%, 86%
CMY	1.0000, 0.0000, 0.1387
CMYK	1.00, 0.00, 0.14, 0.00
HSL	172°, 100%, 50%
HSV	172°, 100%, 100%
XYZ	48.6300, 76.6680, 79.6923
YIQ	174.7650, -140.7450, -64.9450

Conversions

Conversions Part 2

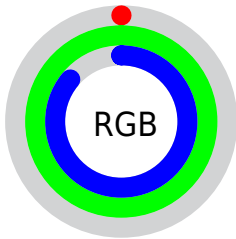
Format	Color
RYB	0, 137, 255
Decimal	65500
CIELab	90.17, -57.72, 2.81
CIELCh	90, 57.785, 177.212
Yxy	76.6680, 0.2372, 0.3740
Android (android.graphics.Color)	4278255580 (0xFF00FFDC)
YUV	174.7650, 22.3009, -153.2689
Hunter-Lab	87.5603, -54.0936, 7.3298

Details

The RYB color **0, 137, 255** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **255, 0, 35**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **118, 187, 255**, and **0, 107, 197** is the 20% darker color. If you saturate the color by 10%, you get **0, 137, 255**, and if you desaturate by 10%, it is **25, 149, 255**.

Distribution



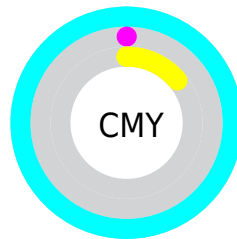
- Red (0%)
- Green (100%)
- Blue (86%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




















- Cyan (100%)
- Magenta (0%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 137, 255 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 0, 137, 255 by changing the saturation by 10% instead.


 0, 137, 255	 0, 137, 255
 255, 255, 255	 0, 122, 226
 118, 187, 255	 0, 107, 197
 153, 204, 255	 0, 93, 169
 186, 221, 255	 0, 79, 142
 219, 237, 255	 0, 65, 115
 251, 253, 255	 0, 51, 89
	 0, 38, 64
	 0, 26, 41
	 0, 1, 1

 0, 137, 255

 25, 149, 255

 51, 161, 255

 77, 173, 255

 102, 184, 255

 128, 196, 255

 153, 208, 255

 179, 220, 255

 204, 231, 255

 230, 244, 255

Harmonies

Analogous

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



142, 231, 250



0, 137, 255



0, 128, 255

Triad

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



0, 137, 255



224, 214, 255



230, 255, 135

Complementary

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



0, 137, 255



255, 0, 35

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, 187, 179



0, 137, 255



255, 194, 255

Square

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



0, 137, 255



121, 182, 255



255, 182, 234



157, 255, 114

Rectangle

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



0, 137, 255



0, 126, 255



255, 182, 234



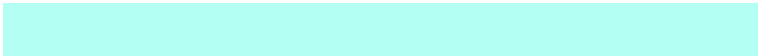
255, 235, 148

Sweetspot

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



0, 137, 255



179, 220, 255



0, 255, 217



82, 107, 128



0, 0, 0



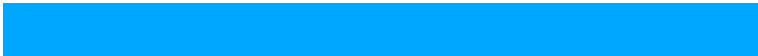
128, 128, 128

Same Dimension

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



0, 137, 255



0, 101, 255



115, 122, 128



0, 102, 191



0, 34, 64

Inverse Universe

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



255, 0, 35



255, 137, 0



128, 115, 117



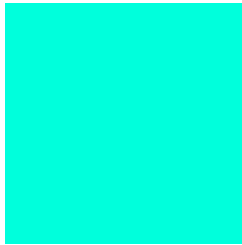
191, 0, 27



64, 0, 9

Previews

White Background



This preview shows how the RYB color 0, 137, 255 looks on a white background.

Color Contrast Check

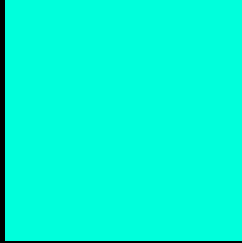
Large Text (above 18pt) WCAG AA × Fail

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 0, 137, 255 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

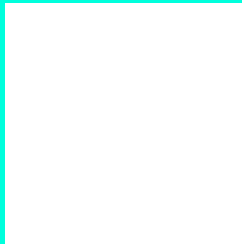
Any Text WCAG AAA ✓ Pass

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

RYB 0, 137, 255 Background



This preview shows how black text looks on a background with the RYB color 0, 137, 255.



This preview shows how white text looks on a background with the RYB color 0, 137, 255.

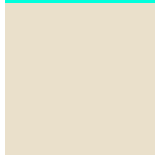
Color Blindness Simulation

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](#).

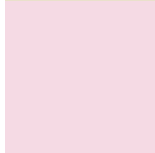
Dichromacy



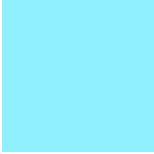
Original Color
0, 137, 255



Protanopia
218, 234, 203

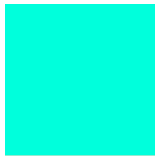


Deuteranopia
245, 218, 228



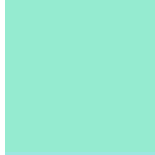
Tritanopia
145, 196, 255

Trichromacy



Original Color

0, 137, 255



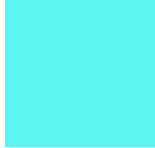
Protanomaly

149, 200, 235



Deuteranomaly

156, 195, 231



Tritanomaly

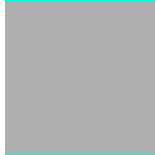
92, 170, 246

Monochromacy



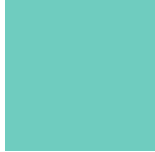
Original Color

0, 137, 255



Achromatopsia

175, 175, 175



Achromatomaly

111, 161, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 137, 255 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(0, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 220)  
}
```

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(0, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 220) }
```

Border

The CSS property to change the border of an element to RYB 0, 137, 255 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(0, 255, 220) }
```

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

```
.border{ border-color:rgb(0, 255, 220) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 0, 137, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 220) }
```

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

```
.background{ background-color: rgb(0, 255,  
220) }
```

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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