

Converting Colors

`RYB(0, 143, 236)`

Have a look what the booklet for
RYB(0, 143, 236) contains.

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Color

`RYB(0, 143, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	00EC99
RGB	0, 236, 153
RGB Percent	0%, 93%, 60%
CMY	1.0000, 0.0745, 0.3981
CMYK	1.00, 0.00, 0.35, 0.07
HSL	159°, 100%, 46%
HSV	159°, 100%, 93%
XYZ	35.7852, 62.3068, 40.4867
YIQ	155.9740, -114.0130, -75.8450

Conversions

Conversions Part 2

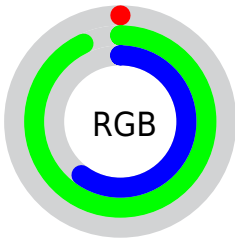
Format	Color
RYB	0, 143, 236
Decimal	60569
CIELab	83.08, -66.01, 27.00
CIELCh	83, 71.320, 157.752
Yxy	62.3068, 0.2582, 0.4496
Android (android.graphics.Color)	4278250649 (0xFF00EC99)
YUV	155.9740, -1.4662, -136.7892
Hunter-Lab	78.9347, -57.2123, 24.8436

Details

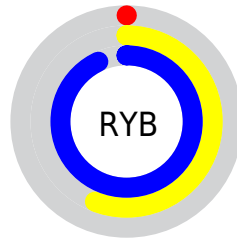
The RYB color **0, 143, 236** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **236, 0, 83**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **110, 197, 255**, and **0, 114, 179** is the 20% darker color. If you saturate the color by 10%, you get **0, 143, 236**, and if you desaturate by 10%, it is **24, 152, 236**.

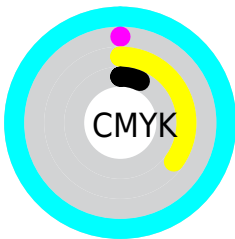
Distribution



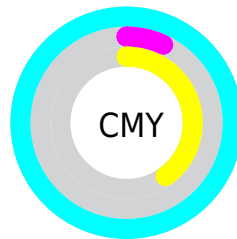
- Red (0%)
- Green (93%)
- Blue (60%)



- Red (0%)
- Yellow (56%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)




















- Cyan (100%)
- Magenta (7%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 143, 236 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, 143, 236 by changing the saturation by 10% instead.


 0, 143, 236	 0, 143, 236
 255, 255, 255	 0, 128, 207
 110, 197, 255	 0, 114, 179
 144, 204, 255	 0, 100, 151
 177, 216, 255	 0, 87, 124
 208, 232, 255	 0, 74, 97
 240, 248, 255	 0, 66, 72
	 0, 48, 48
	 0, 19, 19
	 0, 0, 0


 0, 143, 236


 24, 152, 236

 47, 161, 236

 71, 171, 236

 94, 180, 236

 118, 189, 236

 142, 199, 236

 165, 208, 236

 189, 218, 236

 212, 226, 236

Harmonies

Analogous

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



94, 226, 165



0, 143, 236



0, 124, 240

Triad

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



0, 143, 236



104, 166, 255



255, 169, 128

Complementary

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



0, 143, 236



236, 0, 83

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, 145, 192



0, 143, 236



233, 182, 255

Square

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



0, 143, 236



0, 120, 255



255, 155, 255



195, 255, 79

Rectangle

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



0, 143, 236



0, 123, 255



255, 155, 255



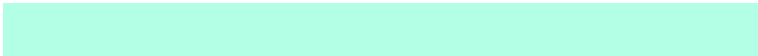
255, 152, 148

Sweetspot

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



0, 143, 236



179, 225, 255



0, 236, 153



82, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 143, 236



0, 154, 255



0, 109, 236



106, 113, 117



0, 110, 181



0, 33, 54

Inverse Universe

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



236, 0, 83



255, 0, 89



236, 41, 0



117, 106, 110



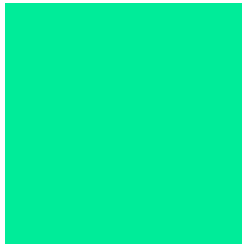
181, 0, 63



54, 0, 19

Previews

White Background



This preview shows how the RYB color 0, 143, 236 looks on a white background.

Color Contrast Check

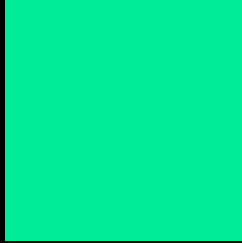
Large Text (above 18pt) WCAG AA × Fail

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, 143, 236 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, 143, 236 Background



This preview shows how black text looks on a background with the RYB color 0, 143, 236.

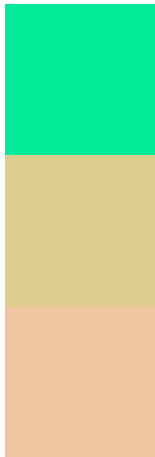


This preview shows how white text looks on a background with the RYB color 0, 143, 236.

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](#).

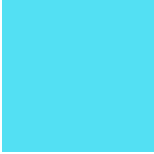
Dichromacy



Original Color
0, 143, 236

Protanopia
161, 222, 140

Deuteranopia
239, 226, 162



Tritanopia
83, 158, 243

Trichromacy



Original Color

0, 143, 236



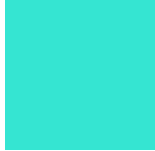
Protanomaly

141, 212, 216



Deuteranomaly

152, 205, 211



Tritanomaly

53, 146, 229

Monochromacy



Original Color

0, 143, 236



Achromatopsia

156, 156, 156



Achromatomaly

99, 151, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 143, 236 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, 236, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 153)  
}
```

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, 236, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 153) }
```

Border

The CSS property to change the border of an element to RYB 0, 143, 236 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, 236, 153) }
```

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

```
.border{ border-color:rgb(0, 236, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 0, 143, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 153) }
```

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

```
.background{ background-color: rgb(0, 236,  
153) }
```

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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