

Converting Colors

`RYB(17, 149, 222)`

Have a look what the booklet for
RYB(17, 149, 222) contains.

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Color

RYB(17, 149, 222)

Conversions

Conversions Part 1

Format	Color
Hex	11DE82
RGB	17, 222, 130
RGB Percent	7%, 87%, 51%
CMY	0.9333, 0.1294, 0.4887
CMYK	0.92, 0.00, 0.41, 0.13
HSL	153°, 86%, 47%
HSV	153°, 92%, 87%
XYZ	30.4067, 53.9834, 30.0672
YIQ	150.2170, -92.6480, -72.0720

Conversions

Conversions Part 2

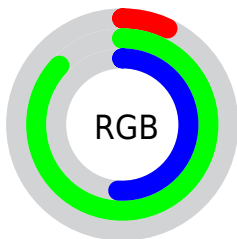
Format	Color
RYB	17, 149, 222
Decimal	1171074
CIELab	78.45, -65.16, 32.61
CIELCh	78, 72.862, 153.413
Yxy	53.9834, 0.2657, 0.4716
Android (android.graphics.Color)	4279361154 (0xFF11DE82)
YUV	150.2170, -9.9670, -116.8313
Hunter-Lab	73.4734, -54.7070, 27.1684

Details

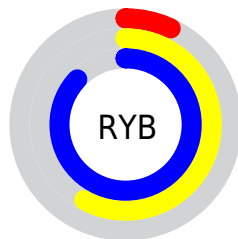
The RYB color **17, 149, 222** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **222, 17, 109**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **110, 206, 255**, and **0, 112, 165** is the 20% darker color. If you saturate the color by 10%, you get **0, 143, 222**, and if you desaturate by 10%, it is **39, 157, 222**.

Distribution



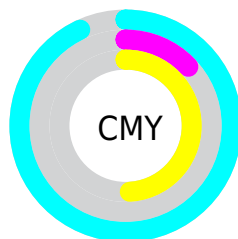
- Red (7%)
- Green (87%)
- Blue (51%)



- Red (7%)
- Yellow (58%)
- Blue (87%)



- Cyan (92%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)



















- Cyan (93%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 17, 149, 222 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 17, 149, 222 by changing the saturation by 10% instead.

 17, 149, 222	 17, 149, 222
 255, 255, 255	 0, 125, 193
 110, 206, 255	 0, 111, 165
 142, 212, 255	 0, 99, 138
 174, 218, 255	 0, 87, 111
 205, 230, 255	 0, 80, 85
 237, 246, 255	 0, 60, 60
	 0, 36, 36
	 0, 0, 0

 17, 149, 222  17, 149, 222

■ 0, 143, 222

■ 39, 157, 222

■ 61, 165, 222

■ 84, 173, 222

■ 106, 181, 222

■ 128, 189, 222

■ 150, 196, 222

■ 172, 204, 222

■ 195, 212, 222

■ 217, 220, 222

Harmonies

Analogous

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



71, 211, 130



17, 149, 222



0, 120, 226

Triad

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



17, 149, 222



0, 112, 255



255, 144, 123

Complementary

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



17, 149, 222



222, 17, 109

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, 129, 189



17, 149, 222



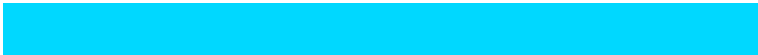
206, 173, 255

Square

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



17, 149, 222



0, 117, 255



255, 144, 255



232, 255, 69

Rectangle

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



17, 149, 222



0, 118, 246



255, 144, 255



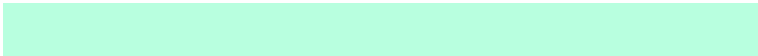
255, 135, 144

Sweetspot

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



17, 149, 222



184, 230, 255



17, 222, 130



84, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



17, 149, 222



0, 164, 255



17, 117, 222



101, 108, 112



0, 113, 176



0, 31, 48

Inverse Universe

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



222, 17, 109



255, 0, 114



222, 28, 17



112, 101, 106



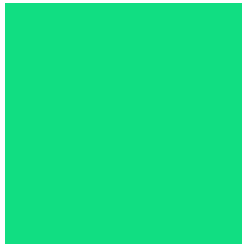
176, 0, 79



48, 0, 22

Previews

White Background



This preview shows how the RYB color 17, 149, 222 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 17, 149, 222 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 17, 149, 222 Background



This preview shows how black text looks on a background with the RGB color 17, 149, 222.

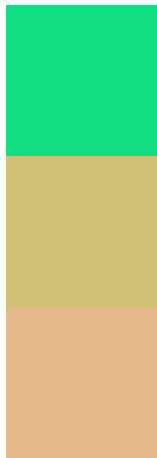


This preview shows how white text looks on a background with the RGB color 17, 149, 222.

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](#).

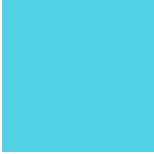
Dichromacy



Original Color
[17](#), [149](#), [222](#)

Protanopia
[141](#), [210](#), [119](#)

Deuteranopia
[226](#), [228](#), [139](#)



Tritanopia
82, 150, 228

Trichromacy



Original Color

17, 149, 222



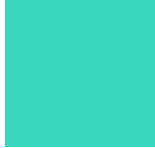
Protanomaly

123, 203, 186



Deuteranomaly

136, 198, 183



Tritanomaly

58, 143, 215

Monochromacy



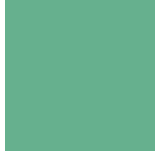
Original Color

17, 149, 222



Achromatopsia

150, 150, 150



Achromatomaly

102, 150, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 17, 149, 222 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(17, 222, 130)` looks like.

```
.text, #text, p{  
    color:rgb(17, 222, 130)  
}
```

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(17, 222, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 222, 130) }
```

Border

The CSS property to change the border of an element to RYB 17, 149, 222 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(17, 222, 130) }
```

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

```
.border{ border-color:rgb(17, 222, 130) }
```

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

Here you see how a box with a 4 pixel rgb(17, 222, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 222, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 222, 130);  
box-shadow:4px 4px 4px 4px rgb(17, 222,  
130) }
```

Background

The CSS property to change the background color of an element to RGB 17, 149, 222 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 222, 130) }
```

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

```
.background{ background-color: rgb(17, 222,  
130) }
```

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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