

Converting Colors

`RYB(0, 199, 157)`

Have a look what the booklet for
RYB(0, 199, 157) contains.

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Color

RYB(0, 199, 157)

Conversions

Conversions Part 1

Format	Color
Hex	2AC700
RGB	42, 199, 0
RGB Percent	16%, 78%, 0%
CMY	0.8353, 0.2196, 1.0000
CMYK	0.79, 0.00, 1.00, 0.22
HSL	107°, 100%, 39%
HSV	107°, 100%, 78%
XYZ	21.3783, 41.3391, 6.8525
YIQ	129.3710, -29.6930, -95.1730

Conversions

Conversions Part 2

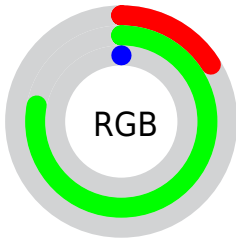
Format	Color
RYB	0, 199, 157
Decimal	2803456
CIELab	70.41, -68.39, 69.43
CIELCh	70, 97.462, 134.567
Yxy	41.3391, 0.3073, 0.5942
Android (android.graphics.Color)	4280993536 (0xFF2AC700)
YUV	129.3710, -63.7799, -76.6244
Hunter-Lab	64.2955, -53.1658, 38.6878

Details

The RYB color **0, 199, 157** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **157, 0, 199**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **80, 255, 218**, and **0, 143, 143** is the 20% darker color. If you saturate the color by 10%, you get **0, 199, 157**, and if you desaturate by 10%, it is **20, 199, 161**.

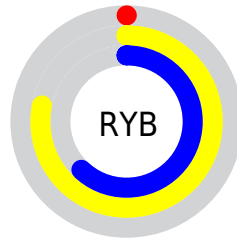
Distribution



Red (16%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (62%)

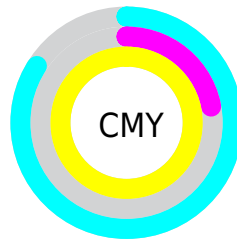


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (84%)

















Magenta (22%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the RYB color 0, 199, 157 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, 199, 157 by changing the saturation by 10% instead.


 0, 199, 157	 0, 199, 157
255, 255, 255	 0, 171, 171
 80, 255, 218	 0, 143, 143
 109, 255, 215	 0, 117, 117
 138, 255, 213	 0, 90, 90
 166, 255, 211	 0, 65, 65
 195, 255, 209	 0, 41, 41
 224, 255, 224	 0, 3, 3
254, 255, 254	 0, 0, 0


 0, 199, 157


 20, 199, 161

 40, 199, 166

 60, 199, 170

 80, 199, 174

 100, 199, 178

 119, 199, 182

 139, 199, 186

 159, 199, 190

 179, 199, 195

Harmonies

Analogous

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



0, 182, 14



0, 199, 157



0, 131, 207

Triad

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



0, 199, 157



0, 111, 255



255, 54, 133

Complementary

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



0, 199, 157



157, 0, 199

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, 68, 222



0, 199, 157



0, 102, 255

Square

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



0, 199, 157



0, 115, 255



227, 124, 255



255, 128, 46

Rectangle

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



0, 199, 157



0, 112, 210



227, 124, 255



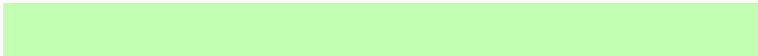
255, 47, 163

Sweetspot

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



0, 199, 157



179, 255, 239



55, 199, 0



82, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



0, 199, 157



0, 255, 201



0, 155, 199



90, 99, 97



0, 163, 129



0, 36, 28

Inverse Universe

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



157, 0, 199



201, 0, 255



199, 0, 143



97, 90, 99



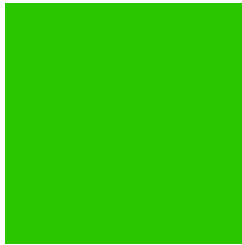
129, 0, 163



28, 0, 36

Previews

White Background



This preview shows how the RYB color 0, 199, 157 looks on a white background.

Color Contrast Check

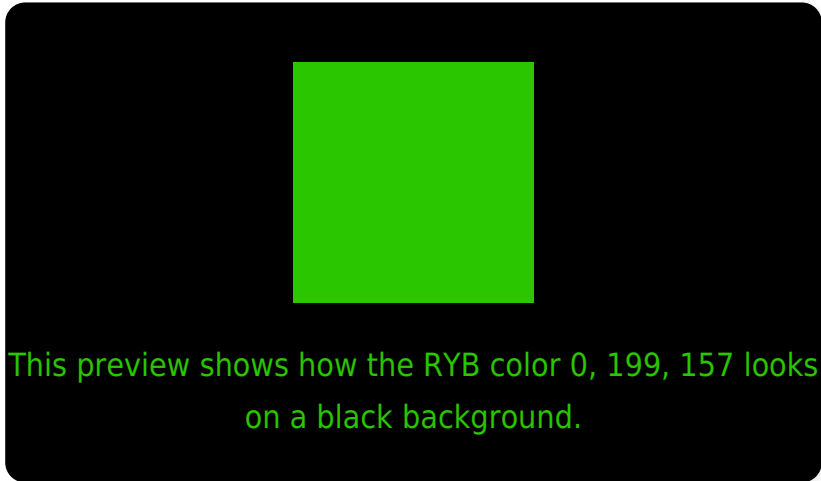
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

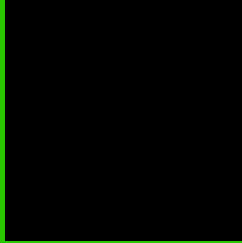
Any Text WCAG AA ✓ Pass

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, 199, 157 Background



This preview shows how black text looks on a background with the RYB color 0, 199, 157.

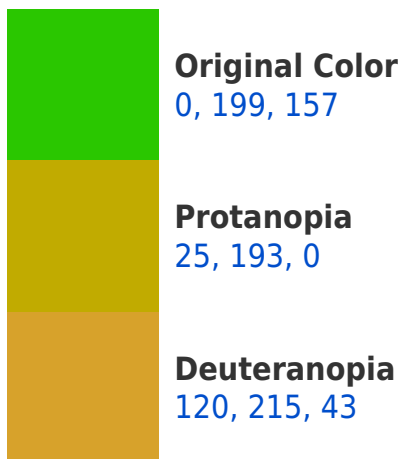


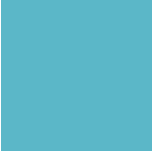
This preview shows how white text looks on a background with the RYB color 0, 199, 157.

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
91, 141, 200

Trichromacy



Original Color

0, 199, 157



Protanomaly

0, 181, 43



Deuteranomaly

27, 175, 50



Tritanomaly

73, 153, 190

Monochromacy



Original Color

0, 199, 157



Achromatopsia

129, 129, 129



Achromatomaly

82, 154, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 199, 157 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(42, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 199, 0)  
}
```

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(42, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 199, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 199, 157 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(42, 199, 0) }
```

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

```
.border{ border-color:rgb(42, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 199, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 199, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 199, 0) }
```

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

```
.background{ background-color: rgb(42, 199,  
0) }
```

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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