

Converting Colors

`RYB(0, 199, 162)`

Have a look what the booklet for
RYB(0, 199, 162) contains.

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Color

`RYB(0, 199, 162)`

Conversions

Conversions Part 1

Format	Color
Hex	25C700
RGB	37, 199, 0
RGB Percent	15%, 78%, 0%
CMY	0.8549, 0.2196, 1.0000
CMYK	0.81, 0.00, 1.00, 0.22
HSL	109°, 100%, 39%
HSV	109°, 100%, 78%
XYZ	21.1864, 41.2402, 6.8435
YIQ	127.8760, -32.6730, -96.2330

Conversions

Conversions Part 2

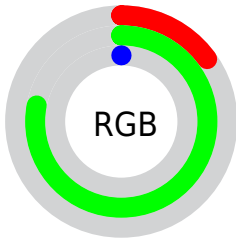
Format	Color
RYB	0, 199, 162
Decimal	2475776
CIELab	70.34, -69.01, 69.35
CIELCh	70, 97.835, 134.859
Yxy	41.2402, 0.3059, 0.5954
Android (android.graphics.Color)	4280665856 (0xFF25C700)
YUV	127.8760, -63.0429, -79.6983
Hunter-Lab	64.2185, -53.4933, 38.6347

Details

The RYB color **0, 199, 162** 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 **162, 0, 199**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **80, 255, 221**, and **0, 143, 143** is the 20% darker color. If you saturate the color by 10%, you get **0, 199, 162**, and if you desaturate by 10%, it is **20, 199, 166**.

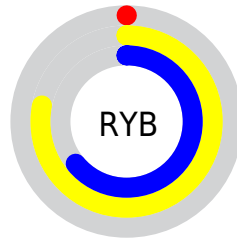
Distribution



Red (15%)

Green (78%)

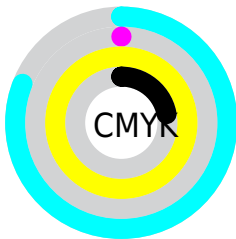
Blue (0%)



Red (0%)

Yellow (78%)

Blue (64%)

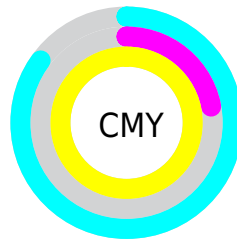


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (85%)

Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 199, 162 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, 162 by changing the saturation by 10% instead.



0, 199, 162



0, 199, 162

255, 255, 255



0, 171, 171



80, 255, 221



0, 143, 143



109, 255, 218



0, 116, 116



138, 255, 216



0, 90, 90



166, 255, 213



0, 65, 65



195, 255, 211



0, 41, 41



224, 255, 224



0, 2, 2


254, 255, 254





0, 0, 0





0, 199, 162

 20, 199, 166

 40, 199, 170

 60, 199, 173

 80, 199, 177

 100, 199, 181

 119, 199, 184

 139, 199, 188

 159, 199, 191

 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, 15



0, 199, 162



0, 130, 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, 162



0, 111, 255



255, 53, 132

Complementary

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



0, 199, 162



162, 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, 66, 221



0, 199, 162



0, 101, 255

Square

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



0, 199, 162



0, 115, 255



228, 123, 255



255, 130, 44

Rectangle

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



0, 199, 162



0, 112, 210



228, 123, 255



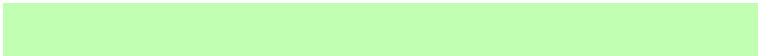
255, 45, 162

Sweetspot

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



0, 199, 162



179, 255, 241



50, 199, 0



82, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



0, 199, 162



0, 255, 208



0, 153, 199



90, 99, 98



0, 163, 133



0, 36, 29

Inverse Universe

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



162, 0, 199



208, 0, 255



199, 0, 139



98, 90, 99



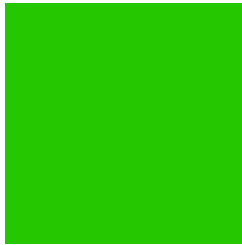
133, 0, 163



29, 0, 36

Previews

White Background



This preview shows how the RYB color 0, 199, 162 looks on a white background.

Color Contrast Check

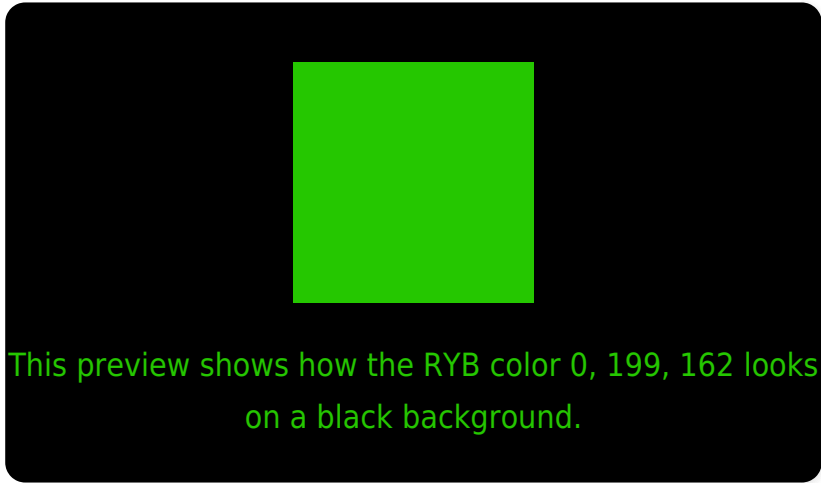
Large Text (above 18pt) WCAG AA × Fail

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, 162 Background



This preview shows how black text looks on a background with the RYB color 0, 199, 162.



This preview shows how white text looks on a background with the RYB color 0, 199, 162.

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](#).

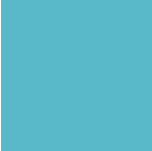
Dichromacy



Original Color
0, 199, 162

Protanopia
24, 192, 0

Deuteranopia
118, 214, 43



Tritanopia
90, 141, 200

Trichromacy



Original Color

0, 199, 162



Protanomaly

0, 181, 45



Deuteranomaly

27, 175, 52



Tritanomaly

71, 152, 190

Monochromacy



Original Color

0, 199, 162



Achromatopsia

128, 128, 128



Achromatomaly

81, 154, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 199, 162 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, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 199, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 199, 162 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, 199, 0) }
```

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

```
.border{ border-color:rgb(37, 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(37, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 199, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 199, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 199, 0) }
```

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

```
.background{ background-color: rgb(37, 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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