

Converting Colors

`RYB(0, 136, 101)`

Have a look what the booklet for
RYB(0, 136, 101) contains.

RYB(0, 136, 101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(0, 136, 101)`

Conversions

Conversions Part 1

Format	Color
Hex	238800
RGB	35, 136, 0
RGB Percent	14%, 53%, 0%
CMY	0.8627, 0.4667, 1.0000
CMYK	0.74, 0.00, 1.00, 0.47
HSL	105°, 100%, 27%
HSV	105°, 100%, 53%
XYZ	9.4973, 17.9656, 2.9672
YIQ	90.2970, -16.5400, -63.7080

Conversions

Conversions Part 2

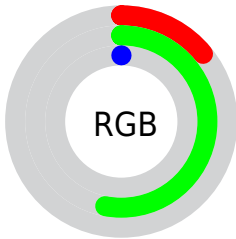
Format	Color
RYB	0, 136, 101
Decimal	2328576
CIELab	49.45, -50.11, 52.67
CIELCh	49, 72.698, 133.576
Yxy	17.9656, 0.3121, 0.5904
Android (android.graphics.Color)	4280518656 (0xFF238800)
YUV	90.2970, -44.5164, -48.4955
Hunter-Lab	42.3859, -34.1793, 25.5196

Details

The RYB color **0, 136, 101** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **101, 0, 136**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **66, 190, 158**, and **0, 85, 85** is the 20% darker color. If you saturate the color by 10%, you get **0, 136, 101**, and if you desaturate by 10%, it is **14, 136, 105**.

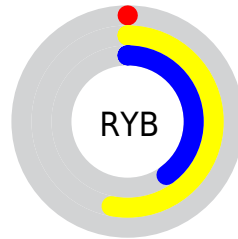
Distribution



Red (14%)

Green (53%)

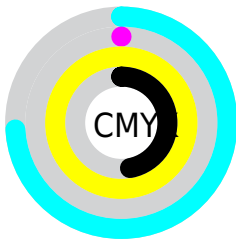
Blue (0%)



Red (0%)

Yellow (53%)

Blue (40%)

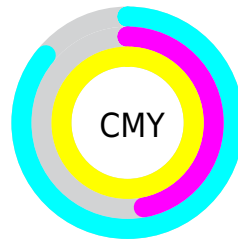


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (86%)

Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the RYB color 0, 136, 101 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, 136, 101 by changing the saturation by 10% instead.

 0, 136, 101

 0, 136, 101


255, 255, 255

 0, 110, 110


 66, 190, 158

 0, 85, 85

 92, 219, 184

 0, 60, 60

 119, 247, 211

 0, 38, 38

 146, 255, 217


 0, 0, 0


 174, 255, 216


 202, 255, 214


 231, 255, 231


 0, 136, 101


 14, 136, 105


 27, 136, 108

 41, 136, 112


 54, 136, 115

 68, 136, 118

 82, 136, 122

 95, 136, 125

 109, 136, 129

 122, 136, 132

Harmonies

Analogous

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



0, 124, 7



0, 136, 101



0, 91, 142

Triad

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



0, 136, 101



0, 86, 237



224, 37, 93

Complementary

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



0, 136, 101



101, 0, 136

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.



209, 48, 154



0, 136, 101



0, 78, 239

Square

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



0, 136, 101



0, 83, 202



153, 86, 208



208, 80, 32

Rectangle

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



0, 136, 101



0, 77, 144



153, 86, 208



223, 33, 113

Sweetspot

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



0, 136, 101



123, 176, 162



49, 136, 0



57, 89, 81



217, 217, 217



89, 89, 89

Same Dimension

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



0, 136, 101



0, 176, 131



0, 110, 136



62, 69, 67



0, 133, 99



0, 5, 4

Inverse Universe

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



101, 0, 136



131, 0, 176



136, 0, 104



67, 62, 69



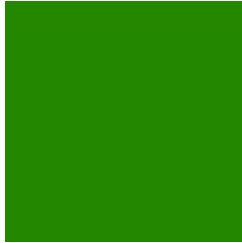
98, 0, 133



4, 0, 5

Previews

White Background



This preview shows how the RYB color 0, 136, 101 looks on a white background.

Color Contrast Check

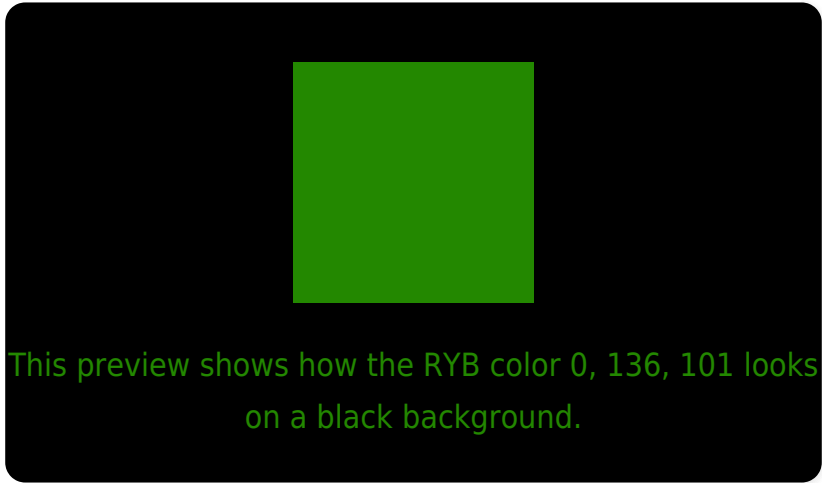
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × 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 × Fail

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

RYB 0, 136, 101 Background



This preview shows how black text looks on a background with the RYB color 0, 136, 101.



This preview shows how white text looks on a background with the RYB color 0, 136, 101.

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, 136, 101

Protanopia
17, 132, 0

Deuteranopia
81, 147, 29



Tritanopia
65, 98, 137

Trichromacy



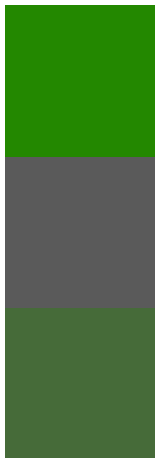
Original Color
0, 136, 101

Protanomaly
0, 124, 27

Deuteranomaly
18, 120, 32

Tritanomaly
54, 107, 130

Monochromacy



Original Color
0, 136, 101

Achromatopsia
90, 90, 90

Achromatomaly
57, 107, 94

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 136, 101 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(35, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 136, 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(35, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 136, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 136, 101 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(35, 136, 0) }
```

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

```
.border{ border-color:rgb(35, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(35, 136, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 136, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 136, 0) }
```

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

```
.background{ background-color: rgb(35, 136,  
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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