

Converting Colors

`RYB(0, 116, 168)`

Have a look what the booklet for
RYB(0, 116, 168) contains.

RYB(0, 116, 168)	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, 116, 168)`

Conversions

Conversions Part 1

Format	Color
Hex	00A84B
RGB	0, 168, 75
RGB Percent	0%, 66%, 29%
CMY	1.0000, 0.3412, 0.7047
CMYK	1.00, 0.00, 0.55, 0.34
HSL	147°, 100%, 33%
HSV	147°, 100%, 66%
XYZ	15.2833, 28.5175, 11.4114
YIQ	107.1660, -70.2750, -64.5390

Conversions

Conversions Part 2

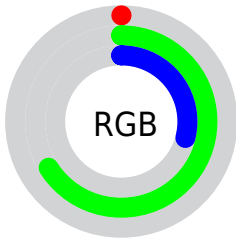
Format	Color
RYB	0, 116, 168
Decimal	43083
CIELab	60.35, -57.22, 37.35
CIELCh	60, 68.329, 146.866
Yxy	28.5175, 0.2768, 0.5165
Android (android.graphics.Color)	4278233163 (0xFF00A84B)
YUV	107.1660, -15.8578, -93.9846
Hunter-Lab	53.4018, -42.3675, 24.7117

Details

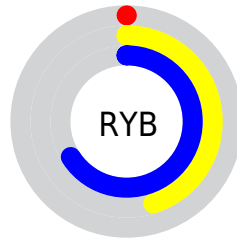
The RYB color **0, 116, 168** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **168, 0, 93**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **91, 196, 224**, and **0, 93, 114** is the 20% darker color. If you saturate the color by 10%, you get **0, 116, 168**, and if you desaturate by 10%, it is **17, 121, 168**.

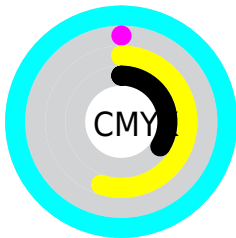
Distribution



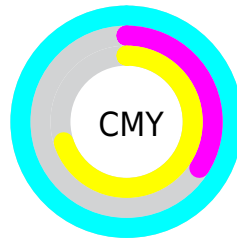
- Red (0%)
- Green (66%)
- Blue (29%)



- Red (0%)
- Yellow (45%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 116, 168 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, 116, 168 by changing the saturation by 10% instead.

 0, 116, 168

 0, 116, 168

255, 255, 255

 0, 104, 141

 91, 196, 224

 0, 93, 114

 122, 229, 254

 0, 89, 89

 152, 233, 255

 0, 64, 64

 182, 236, 255

 0, 41, 41


 212, 239, 255


 0, 2, 2


 242, 249, 255


 0, 0, 0


 0, 116, 168


 17, 121, 168


 34, 127, 168


 50, 131, 168


 67, 137, 168

 84, 142, 168

 101, 147, 168

 118, 153, 168

 134, 158, 168

 151, 163, 168

Harmonies

Analogous

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



13, 158, 50



0, 116, 168



0, 97, 173

Triad

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



0, 116, 168



0, 96, 255



250, 91, 95

Complementary

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



0, 116, 168



168, 0, 93

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.



248, 83, 154



0, 116, 168



131, 132, 254

Square

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



0, 116, 168



0, 100, 246



211, 104, 212



224, 168, 41

Rectangle

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



0, 116, 168



0, 88, 179



211, 104, 212



253, 85, 114

Sweetspot

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



0, 116, 168



154, 199, 219



0, 168, 73



70, 98, 110



237, 237, 237



110, 110, 110

Same Dimension

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



0, 116, 168



0, 151, 219



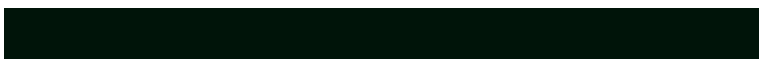
0, 87, 168



76, 81, 84



0, 102, 148



0, 14, 20

Inverse Universe

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



168, 0, 93



219, 0, 121



168, 0, 11



84, 76, 80



148, 0, 82



20, 0, 11

Previews

White Background



This preview shows how the RYB color 0, 116, 168 looks on a white background.

Color Contrast Check

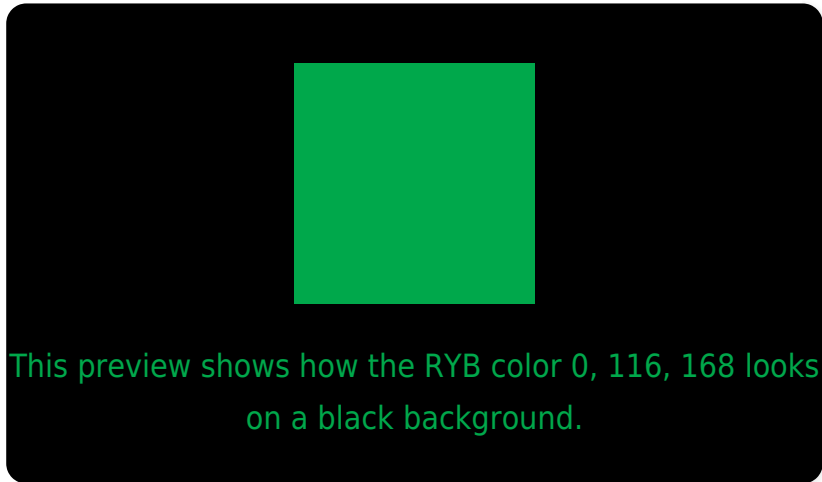
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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

RYB 0, 116, 168 Background



This preview shows how black text looks on a background with the RYB color 0, 116, 168.

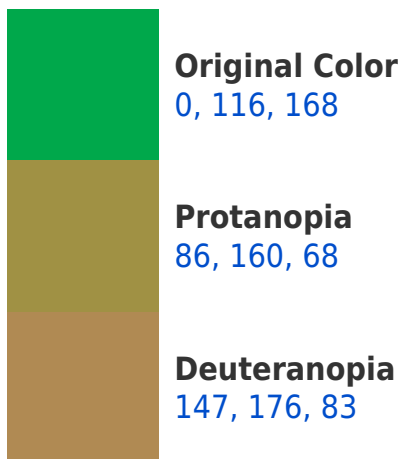


This preview shows how white text looks on a background with the RYB color 0, 116, 168.

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
66, 115, 171

Trichromacy



Original Color

0, 116, 168



Protanomaly

71, 153, 122



Deuteranomaly

80, 149, 117



Tritanomaly

42, 109, 162

Monochromacy



Original Color

0, 116, 168



Achromatopsia

107, 107, 107



Achromatomaly

68, 110, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 116, 168 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, 168, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 75)  
}
```

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, 168, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 75) }
```

Border

The CSS property to change the border of an element to RYB 0, 116, 168 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, 168, 75) }
```

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

```
.border{ border-color:rgb(0, 168, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 75)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 116, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 75) }
```

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

```
.background{ background-color: rgb(0, 168,  
75) }
```

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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