

Converting Colors

`RYB(109, 168, 0)`

Have a look what the booklet for
RYB(109, 168, 0) contains.

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Color

`RYB(109, 168, 0)`

Conversions

Conversions Part 1

Format	Color
Hex	A86600
RGB	168, 102, 0
RGB Percent	66%, 40%, 0%
CMY	0.3412, 0.6004, 1.0000
CMYK	0.00, 0.39, 1.00, 0.34
HSL	36°, 100%, 33%
HSV	36°, 100%, 66%
XYZ	20.8892, 17.8063, 2.3360
YIQ	110.1060, 72.0780, -17.7300

Conversions

Conversions Part 2

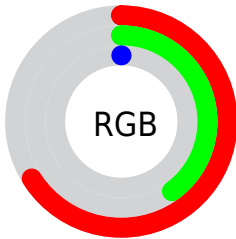
Format	Color
RYB	109, 168, 0
Decimal	11036160
CIELab	49.26, 20.44, 56.94
CIElCh	49, 60.503, 70.251
Yxy	17.8063, 0.5091, 0.4340
Android (android.graphics.Color)	4289226240 (0xFFFA86600)
YUV	110.1060, -54.2823, 50.7730
Hunter-Lab	42.1975, 14.5178, 26.2561

Details

The RYB color **109, 168, 0** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **0, 47, 168**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **199, 228, 62**, and **110, 110, 0** is the 20% darker color. If you saturate the color by 10%, you get **109, 168, 0**, and if you desaturate by 10%, it is **114, 168, 17**.

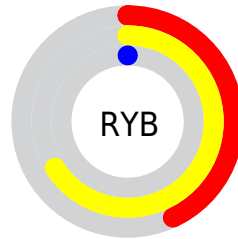
Distribution



Red (66%)

Green (40%)

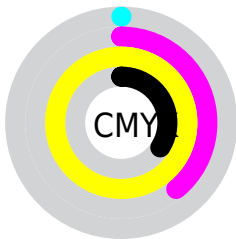
Blue (0%)



Red (43%)

Yellow (66%)

Blue (0%)

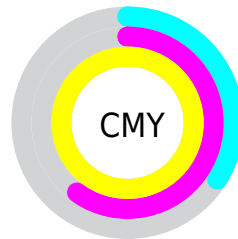


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (34%)



Cyan (34%)


















Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 168, 0 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 109, 168, 0 by changing the saturation by 10% instead.

 109, 168, 0	 109, 168, 0
 255, 255, 255	 109, 139, 0
 199, 228, 62	 110, 110, 0
 224, 255, 88	 81, 56, 0
 188, 255, 115	 54, 14, 0
 165, 255, 142	 31, 0, 1
 169, 255, 169	 0, 0, 0
 197, 255, 197	
 225, 255, 225	
 109, 168, 0	

■ 114, 168, 17

■ 122, 168, 34

■ 125, 168, 50

■ 133, 168, 67

■ 138, 168, 84

■ 143, 168, 101

■ 151, 168, 118

■ 155, 168, 134

■ 163, 168, 151

Harmonies

Analogous

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



198, 85, 53



109, 168, 0



5, 125, 0

Triad

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



109, 168, 0



0, 72, 140



141, 95, 196

Complementary

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



109, 168, 0



0, 47, 168

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.



0, 76, 219



109, 168, 0



0, 79, 182

Square

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



109, 168, 0



0, 87, 138



0, 82, 214



191, 71, 153

Rectangle

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



109, 168, 0



6, 129, 46



0, 82, 214



114, 103, 206

Sweetspot

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



109, 168, 0



197, 219, 154



168, 0, 67



97, 110, 70



237, 237, 237



110, 110, 110

Same Dimension

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



109, 168, 0



142, 219, 0



0, 168, 17



81, 84, 76



95, 148, 0



13, 20, 0

Inverse Universe

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



0, 47, 168



0, 62, 219



17, 0, 168



76, 78, 84



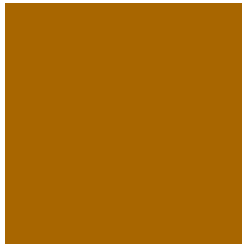
0, 42, 148



0, 6, 20

Previews

White Background



This preview shows how the RYB color 109, 168, 0 looks on a white background.

Color Contrast Check

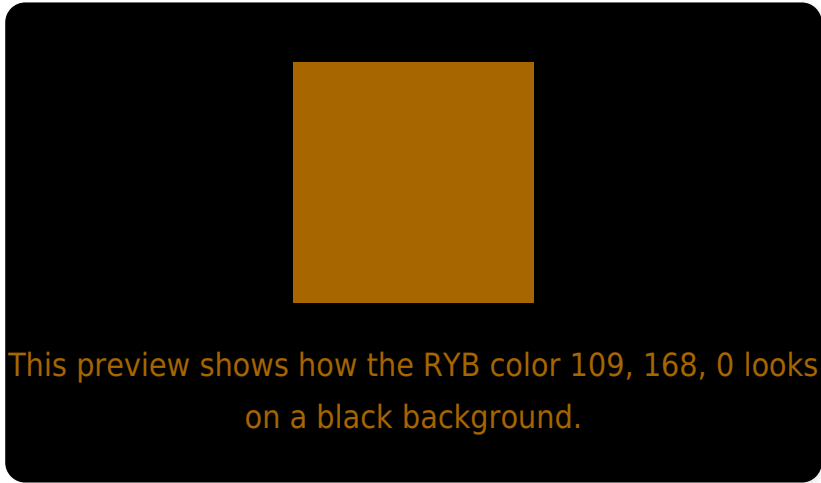
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

R Y B 109, 168, 0 Background



This preview shows how black text looks on a background with the RYB color 109, 168, 0.



This preview shows how white text looks on a background with the RYB color 109, 168, 0.

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
109, 168, 0

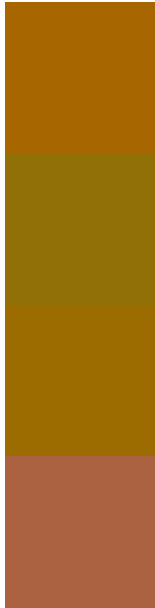
Protanopia
30, 133, 13

Deuteranopia
49, 149, 0



Tritanopia
172, 95, 102

Trichromacy



Original Color
109, 168, 0

Protanomaly
53, 146, 8

Deuteranomaly
69, 156, 0

Tritanomaly
171, 113, 65

Monochromacy



Original Color
109, 168, 0

Achromatopsia
110, 110, 110

Achromatomaly
110, 131, 70

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 168, 0 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(168, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 102, 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(168, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 102, 0) }
```

Border

The CSS property to change the border of an element to RYB 109, 168, 0 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(168, 102, 0) }
```

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

```
.border{ border-color:rgb(168, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 102,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 168, 102, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 102, 0) }
```

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

```
.background{ background-color: rgb(168,  
102, 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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