

Converting Colors

`RYB(67, 150, 109)`

Have a look what the booklet for
RYB(67, 150, 109) contains.

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Color

R_YB(67, 150, 109)

Conversions

Conversions Part 1

Format	Color
Hex	6C9643
RGB	108, 150, 67
RGB Percent	42%, 59%, 26%
CMY	0.5765, 0.4118, 0.7373
CMYK	0.28, 0.00, 0.55, 0.41
HSL	90°, 38%, 43%
HSV	90°, 55%, 59%
XYZ	18.1038, 25.4061, 9.2599
YIQ	127.9800, 1.6110, -34.7170

Conversions

Conversions Part 2

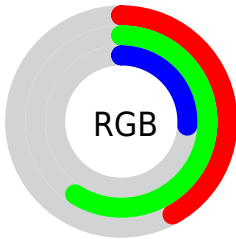
Format	Color
R _{YB}	67, 150, 109
Decimal	7116355
CIE Lab	57.47, -28.99, 38.72
CIE LCh	57, 48.371, 126.827
Yxy	25.4061, 0.3431, 0.4815
Android (android.graphics.Color)	4285306435 (0xFF6C9643)
YUV	127.9800, -30.0631, -17.5225
Hunter-Lab	50.4044, -24.0958, 24.3909

Details

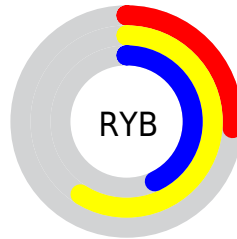
The RYB color **67, 150, 109** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **109, 67, 150**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **117, 204, 159**, and **17, 99, 59** is the 20% darker color. If you saturate the color by 10%, you get **52, 150, 102**, and if you desaturate by 10%, it is **82, 150, 116**.

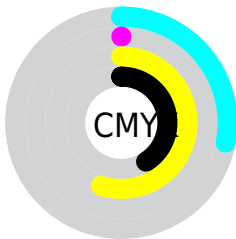
Distribution



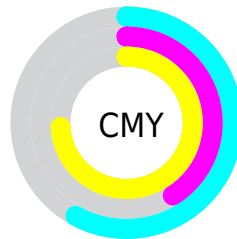
- Red (42%)
- Green (59%)
- Blue (26%)



- Red (26%)
- Yellow (59%)
- Blue (43%)



- Cyan (28%)
- Magenta (0%)
- Yellow (55%)
- Black (41%)























- Cyan (58%)
- Magenta (41%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 150, 109 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 67, 150, 109 by changing the saturation by 10% instead.

 67, 150, 109	 67, 150, 109
 255, 255, 255	 42, 124, 84
 117, 204, 159	 17, 99, 59
 144, 233, 188	 0, 75, 44
 171, 255, 208	 0, 52, 49
 198, 255, 206	 0, 32, 32
 227, 255, 227	 0, 0, 0

 67, 150, 109	 67, 150, 109
 52, 150, 102	 82, 150, 116
 37, 150, 94	 97, 150, 124

■ 22, 150, 87

■ 112, 150, 131

■ 7, 150, 79

■ 127, 150, 139

■ 0, 150, 76

■ 142, 150, 146

■ 154, 150, 157

■ 161, 150, 172

■ 169, 150, 187

■ 176, 150, 202

Harmonies

Analogous

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



65, 153, 49



67, 150, 109



41, 117, 157

Triad

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



67, 150, 109



0, 89, 215



216, 101, 130

Complementary

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



67, 150, 109



109, 67, 150

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.



197, 107, 172



67, 150, 109



77, 120, 222

Square

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



67, 150, 109



0, 86, 188



153, 123, 206



211, 111, 90

Rectangle

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



67, 150, 109



0, 87, 159



153, 123, 206



212, 101, 144

Sweetspot

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



67, 150, 109



161, 194, 178



148, 150, 67



78, 97, 88



224, 224, 224



97, 97, 97

Same Dimension

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



67, 150, 109



66, 194, 131



67, 150, 150



67, 74, 71



0, 138, 70



0, 10, 5

Inverse Universe

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



109, 67, 150



131, 66, 194



150, 67, 150



70, 67, 74



70, 0, 138



5, 0, 10

Previews

White Background



This preview shows how the RYB color 67, 150, 109 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



This preview shows how the RYB color 67, 150, 109 looks on a 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 67, 150, 109 Background



This preview shows how black text looks on a background with the RYB color 67, 150, 109.



This preview shows how white text looks on a background with the RYB color 67, 150, 109.

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
67, 150, 109

Protanopia
81, 153, 63

Deuteranopia
134, 169, 72



Tritanopia

120, 133, 152

Trichromacy



Original Color
67, 150, 109

Protanomaly
64, 142, 69

Deuteranomaly
80, 147, 70

Tritanomaly
116, 140, 144

Monochromacy



Original Color
67, 150, 109

Achromatopsia
128, 128, 128

Achromatomaly
106, 136, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 150, 109 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(108, 150, 67)` looks like.

```
.text, #text, p{  
    color:rgb(108, 150, 67)  
}
```

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(108, 150, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 150, 67) }
```

Border

The CSS property to change the border of an element to RYB 67, 150, 109 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(108, 150, 67) }
```

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

```
.border{ border-color:rgb(108, 150, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 150, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 150, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 150, 67);  
box-shadow:4px 4px 4px 4px rgb(108, 150,  
67) }
```

Background

The CSS property to change the background color of an element to RGB 67, 150, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 150, 67) }
```

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

```
.background{ background-color: rgb(108,  
150, 67) }
```

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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