

Converting Colors

`RYB(113, 149, 115)`

Have a look what the booklet for
RYB(113, 149, 115) contains.

RYB(113, 149, 115)	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

R_YB(113, 149, 115)

Conversions

Conversions Part 1

Format	Color
Hex	939571
RGB	147, 149, 113
RGB Percent	58%, 58%, 44%
CMY	0.4235, 0.4157, 0.5569
CMYK	0.01, 0.00, 0.24, 0.42
HSL	63°, 15%, 51%
HSV	63°, 24%, 58%
XYZ	25.7607, 28.8902, 19.8414
YIQ	144.2980, 10.3640, -11.6200

Conversions

Conversions Part 2

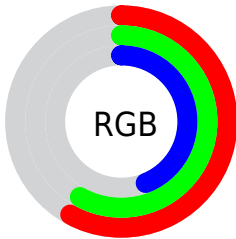
Format	Color
RYB	113, 149, 115
Decimal	9672049
CIELab	60.68, -6.96, 18.83
CIELCh	61, 20.072, 110.291
Yxy	28.8902, 0.3458, 0.3878
Android (android.graphics.Color)	4287862129 (0xFF939571)
YUV	144.2980, -15.4299, 2.3697
Hunter-Lab	53.7496, -8.5116, 15.7381

Details

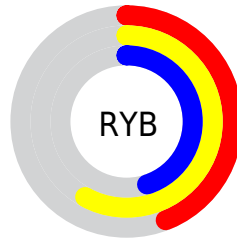
The RYB color **113, 149, 115** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **115, 113, 149**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **165, 203, 167**, and **65, 98, 67** is the 20% darker color. If you saturate the color by 10%, you get **98, 149, 101**, and if you desaturate by 10%, it is **128, 149, 129**.

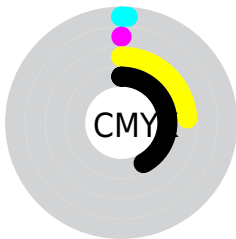
Distribution



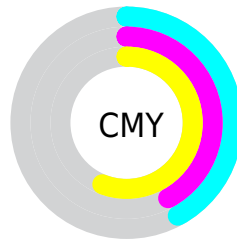
- Red (58%)
- Green (58%)
- Blue (44%)



- Red (44%)
- Yellow (58%)
- Blue (45%)



- Cyan (1%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (42%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 149, 115 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 113, 149, 115 by changing the saturation by 10% instead.

 113, 149, 115

255, 255, 255

 165, 203, 167

 192, 231, 193

 220, 255, 220

 249, 255, 249

 113, 149, 115


 98, 149, 101


 113, 149, 115

 88, 123, 90

 65, 98, 67


 42, 75, 45

 21, 52, 24

 0, 31, 2

 0, 5, 5

 0, 0, 0

 113, 149, 115

 128, 149, 129

■ 83, 149, 87

■ 143, 149, 143

■ 68, 149, 72

■ 149, 149, 158

■ 53, 149, 58

■ 150, 149, 173

■ 38, 149, 44

■ 151, 149, 187

■ 24, 149, 31

■ 152, 149, 202

■ 9, 149, 17

■ 153, 149, 217

■ 0, 149, 8

■ 154, 149, 232

■ 154, 149, 247

Harmonies

Analogous

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



150, 165, 112



113, 149, 115



123, 154, 150

Triad

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



113, 149, 115



100, 131, 173



178, 134, 153

Complementary

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



113, 149, 115



115, 113, 149

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.



164, 138, 169



113, 149, 115



118, 139, 181

Square

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



113, 149, 115



97, 127, 158



142, 144, 179



183, 134, 135

Rectangle

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



113, 149, 115



114, 142, 155



142, 144, 179



174, 135, 159

Sweetspot

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



113, 149, 115



180, 194, 181



149, 115, 113



89, 97, 90



224, 224, 224



97, 97, 97

Same Dimension

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



113, 149, 115



138, 194, 141



113, 149, 133



67, 74, 67



0, 138, 8



0, 10, 0

Inverse Universe

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



115, 113, 149



141, 138, 194



133, 113, 149



67, 67, 74



8, 0, 138



1, 0, 10

Previews

White Background



This preview shows how the RYB color 113, 149, 115 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 113, 149, 115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

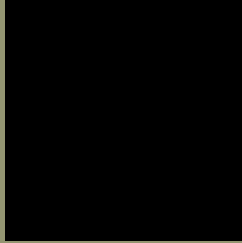
Any Text WCAG AA ✓ Pass

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 113, 149, 115 Background



This preview shows how black text looks on a background with the RYB color 113, 149, 115.



This preview shows how white text looks on a background with the RYB color 113, 149, 115.

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
[113, 149, 115](#)

Protanopia
[125, 156, 112](#)

Deuteranopia
[171, 160, 115](#)



Tritanopia
152, 143, 155

Trichromacy



Original Color
113, 149, 115

Protanomaly
119, 153, 112

Deuteranomaly
145, 162, 114

Tritanomaly
150, 150, 140

Monochromacy



Original Color
113, 149, 115

Achromatopsia
144, 144, 144

Achromatomaly
133, 146, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 149, 115 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(147, 149, 113)` looks like.

```
.text, #text, p{  
    color:rgb(147, 149, 113)  
}
```

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(147, 149, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 149, 113) }
```

Border

The CSS property to change the border of an element to RYB 113, 149, 115 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(147, 149, 113) }
```

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

```
.border{ border-color:rgb(147, 149, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 149, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 149, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 149, 113);  
box-shadow:4px 4px 4px 4px rgb(147, 149,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 113, 149, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 149, 113) }
```

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

```
.background{ background-color: rgb(147,  
149, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor