

Converting Colors

`RYB(107, 153, 113)`

Have a look what the booklet for
RYB(107, 153, 113) contains.

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Color

RYB(107, 153, 113)

Conversions

Conversions Part 1

Format	Color
Hex	93996B
RGB	147, 153, 107
RGB Percent	58%, 60%, 42%
CMY	0.4235, 0.4000, 0.5804
CMYK	0.04, 0.00, 0.30, 0.40
HSL	68°, 18%, 51%
HSV	68°, 30%, 60%
XYZ	26.0777, 30.0470, 18.3351
YIQ	145.9620, 11.1900, -15.5780

Conversions

Conversions Part 2

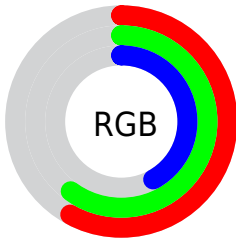
Format	Color
RYB	107, 153, 113
Decimal	9673067
CIELab	61.69, -9.99, 23.51
CIElCh	62, 25.549, 113.026
Yxy	30.0470, 0.3502, 0.4035
Android (android.graphics.Color)	4287863147 (0xFF93996B)
YUV	145.9620, -19.2083, 0.9103
Hunter-Lab	54.8152, -11.0072, 18.5387

Details

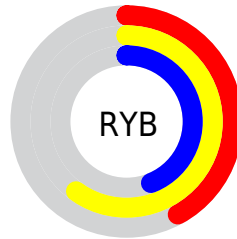
The RYB color **107, 153, 113** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **113, 107, 153**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **159, 207, 165**, and **59, 102, 65** is the 20% darker color. If you saturate the color by 10%, you get **92, 153, 100**, and if you desaturate by 10%, it is **122, 153, 126**.

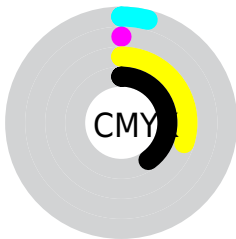
Distribution



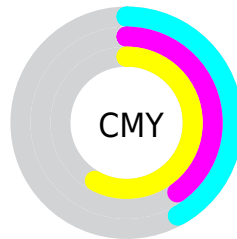
- Red (58%)
- Green (60%)
- Blue (42%)



- Red (42%)
- Yellow (60%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 153, 113 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 107, 153, 113 by changing the saturation by 10% instead.

 107, 153, 113


255, 255, 255


 159, 207, 165

 186, 236, 192


 214, 255, 214

 242, 255, 242

 107, 153, 113

 92, 153, 100

 107, 153, 113


 82, 127, 88

 59, 102, 65


 37, 78, 44

 15, 55, 22

 0, 34, 6

 0, 12, 12

 0, 0, 0

 107, 153, 113

 122, 153, 126

■ 76, 153, 86

■ 138, 153, 140

■ 61, 153, 73

■ 153, 153, 153

■ 46, 153, 60

■ 155, 153, 168

■ 30, 153, 46

■ 157, 153, 184

■ 15, 153, 33

■ 159, 153, 199

■ 0, 153, 20

■ 161, 153, 214

■ 163, 153, 229

■ 165, 153, 245

Harmonies

Analogous

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



142, 170, 104



107, 153, 113



121, 158, 158

Triad

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



107, 153, 113



86, 128, 184



190, 133, 155

Complementary

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



107, 153, 113



113, 107, 153

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.



173, 137, 176



107, 153, 113



113, 140, 193

Square

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



107, 153, 113



80, 122, 166



145, 145, 190



195, 133, 132

Rectangle

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



107, 153, 113



104, 141, 161



145, 145, 190



186, 134, 163

Sweetspot

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



107, 153, 113



181, 199, 183



153, 113, 107



89, 99, 90



227, 227, 227



99, 99, 99

Same Dimension

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



107, 153, 113



127, 199, 136



107, 153, 135



69, 77, 70



0, 140, 18



0, 13, 2

Inverse Universe

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



113, 107, 153



137, 127, 199



135, 107, 153



70, 69, 77



18, 0, 140



2, 0, 13

Previews

White Background



This preview shows how the RYB color 107, 153, 113 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 107, 153, 113 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 ✓ Pass

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

RYB 107, 153, 113 Background



This preview shows how black text looks on a background with the RYB color 107, 153, 113.



This preview shows how white text looks on a background with the RYB color 107, 153, 113.

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
107, 153, 113

Protanopia
120, 161, 105

Deuteranopia
174, 176, 109



Tritanopia
154, 146, 158

Trichromacy



Original Color
107, 153, 113

Protanomaly
113, 156, 106

Deuteranomaly
134, 165, 108

Tritanomaly
141, 151, 139

Monochromacy



Original Color
107, 153, 113

Achromatopsia
146, 146, 146

Achromatomaly
132, 149, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 153, 113 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, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 107)  
}
```

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, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 153, 113 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, 153, 107) }
```

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

```
.border{ border-color:rgb(147, 153, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 153, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 153, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 107) }
```

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

```
.background{ background-color: rgb(147,  
153, 107) }
```

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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