

Converting Colors

`RYB(122, 153, 128)`

Have a look what the booklet for
RYB(122, 153, 128) contains.

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Color

R_YB(122, 153, 128)

Conversions

Conversions Part 1

Format	Color
Hex	93997A
RGB	147, 153, 122
RGB Percent	58%, 60%, 48%
CMY	0.4235, 0.4000, 0.5216
CMYK	0.04, 0.00, 0.20, 0.40
HSL	72°, 13%, 54%
HSV	72°, 20%, 60%
XYZ	26.9367, 30.3907, 22.8586
YIQ	147.6720, 6.3750, -10.9130

Conversions

Conversions Part 2

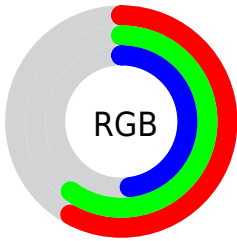
Format	Color
RYB	122, 153, 128
Decimal	9673082
CIELab	61.99, -7.74, 15.60
CIELCh	62, 17.412, 116.379
Yxy	30.3907, 0.3359, 0.3790
Android (android.graphics.Color)	4287863162 (0xFF93997A)
YUV	147.6720, -12.6563, -0.5893
Hunter-Lab	55.1277, -9.2542, 14.0049

Details

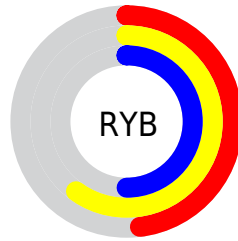
The RYB color **122, 153, 128** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **128, 122, 153**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **175, 207, 181**, and **73, 102, 79** is the 20% darker color. If you saturate the color by 10%, you get **107, 153, 116**, and if you desaturate by 10%, it is **137, 153, 140**.

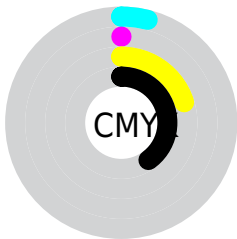
Distribution



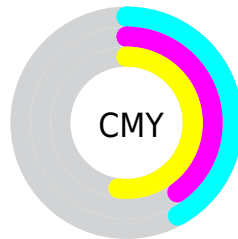
- Red (58%)
- Green (60%)
- Blue (48%)



- Red (48%)
- Yellow (60%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 153, 128 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 122, 153, 128 by changing the saturation by 10% instead.

■ 122, 153, 128

255, 255, 255

■ 175, 207, 181

■ 202, 236, 209

■ 230, 255, 230

■ 122, 153, 128

■ 97, 127, 103

■ 73, 102, 79

■ 50, 78, 56

■ 29, 55, 35

■ 5, 34, 10

■ 0, 13, 13

■ 0, 0, 0

■ 122, 153, 128

■ 107, 153, 116

■ 122, 153, 128

■ 137, 153, 140

■ 91, 153, 103

■ 153, 153, 153

■ 76, 153, 91

■ 156, 153, 168

■ 61, 153, 79

■ 159, 153, 183

■ 46, 153, 67

■ 162, 153, 199

■ 30, 153, 54

■ 165, 153, 214

■ 15, 153, 42

■ 168, 153, 229

■ 0, 153, 30

■ 171, 153, 244

■ 174, 153, 255

Harmonies

Analogous

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



144, 164, 119



122, 153, 128



129, 154, 157

Triad

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



122, 153, 128



113, 138, 175



179, 139, 152

Complementary

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



122, 153, 128



128, 122, 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.



168, 142, 167



122, 153, 128



130, 145, 180

Square

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



122, 153, 128



108, 134, 163



150, 146, 177



182, 140, 137

Rectangle

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



122, 153, 128



119, 144, 158



150, 146, 177



177, 140, 157

Sweetspot

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



122, 153, 128



187, 199, 189



153, 129, 122



92, 99, 93



227, 227, 227



99, 99, 99

Same Dimension

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



122, 153, 128



151, 199, 160



122, 153, 143



69, 77, 71



0, 140, 27



0, 13, 3

Inverse Universe

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



128, 122, 153



160, 151, 199



143, 122, 153



70, 69, 77



27, 0, 140



2, 0, 13

Previews

White Background



This preview shows how the RYB color 122, 153, 128 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 122, 153, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

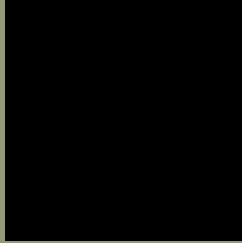
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

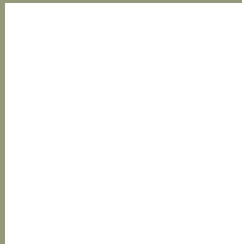
Any Text WCAG AAA ✓ Pass

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

RYB 122, 153, 128 Background



This preview shows how black text looks on a background with the RYB color 122, 153, 128.



This preview shows how white text looks on a background with the RYB color 122, 153, 128.

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
[122](#), [153](#), [128](#)

Protanopia
[133](#), [159](#), [120](#)

Deuteranopia
[173](#), [158](#), [124](#)



Tritanopia

152, 148, 160

Trichromacy



Original Color

122, 153, 128

Protanomaly

127, 155, 121

Deuteranomaly

152, 164, 123

Tritanomaly

146, 150, 146

Monochromacy



Original Color

122, 153, 128

Achromatopsia

148, 148, 148

Achromatomaly

139, 150, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 153, 128 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 122) }
```

Border

The CSS property to change the border of an element to RYB 122, 153, 128 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, 122) }
```

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

```
.border{ border-color:rgb(147, 153, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 153, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 153, 122); box-shadow:4px 4px 4px 4px rgb(147, 153, 122) }
```

Background

The CSS property to change the background color of an element to RYB 122, 153, 128 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, 122) }
```

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

```
.background{ background-color: rgb(147,  
153, 122) }
```

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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