

Converting Colors

`RYB(122, 153, 178)`

Have a look what the booklet for
RYB(122, 153, 178) contains.

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Color

R_YB(122, 153, 178)

Conversions

Conversions Part 1

Format	Color
Hex	7AB2A7
RGB	122, 178, 167
RGB Percent	48%, 70%, 65%
CMY	0.5216, 0.3020, 0.3445
CMYK	0.31, 0.00, 0.06, 0.30
HSL	168°, 27%, 59%
HSV	168°, 31%, 70%
XYZ	30.9364, 38.7744, 42.4911
YIQ	160.0020, -29.8450, -15.2930

Conversions

Conversions Part 2

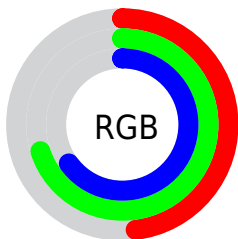
Format	Color
RYB	122, 153, 178
Decimal	8041127
CIELab	68.59, -20.66, -0.31
CIElCh	69, 20.665, 180.868
Yxy	38.7744, 0.2757, 0.3456
Android (android.graphics.Color)	4286231207 (0xFF7AB2A7)
YUV	160.0020, 3.4500, -33.3278
Hunter-Lab	62.2691, -20.2888, 3.1301

Details

The RYB color **122, 153, 178** is a light color, and the websafe version is hex **669999**. A complement of this color would be **178, 122, 133**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **176, 208, 234**, and **70, 100, 125** is the 20% darker color. If you saturate the color by 10%, you get **104, 145, 178**, and if you desaturate by 10%, it is **140, 161, 178**.

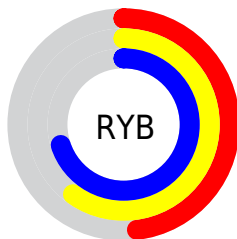
Distribution



Red (48%)

Green (70%)

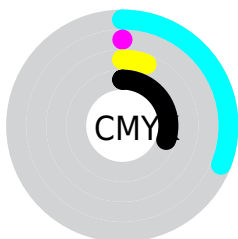
Blue (65%)



Red (48%)

Yellow (60%)

Blue (70%)

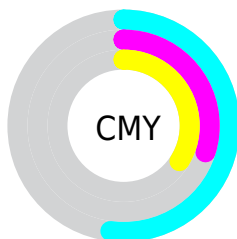


Cyan (31%)

Magenta (0%)

Yellow (6%)

Black (30%)



Cyan (52%)


Magenta (30%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 153, 178 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, 178 by changing the saturation by 10% instead.


 122, 153, 178


255, 255, 255


 176, 208, 234

 204, 231, 255

 233, 244, 255

 122, 153, 178


 96, 126, 151

 70, 100, 125

 45, 75, 100


 18, 49, 76


 0, 29, 53


 0, 18, 32

 0, 0, 0

 122, 153, 178

 104, 145, 178

 122, 153, 178

 140, 161, 178

■ 86, 137, 178

■ 158, 169, 178

■ 69, 129, 178

■ 175, 177, 178

■ 51, 121, 178

■ 193, 178, 181

■ 33, 113, 178

■ 211, 178, 184

■ 15, 105, 178

■ 229, 178, 188

■ 0, 98, 178

■ 247, 178, 191

■ 255, 178, 195

■ 255, 178, 198

Harmonies

Analogous

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



139, 168, 176



122, 153, 178



115, 148, 186

Triad

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



122, 153, 178



171, 162, 199



197, 177, 135

Complementary

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



122, 153, 178



178, 122, 133

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.



205, 156, 149



122, 153, 178



192, 157, 186

Square

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



122, 153, 178



146, 162, 204



204, 154, 167



151, 181, 130

Rectangle

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



122, 153, 178



120, 152, 196



204, 154, 167



201, 166, 139

Sweetspot

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



122, 153, 178



211, 223, 232



122, 178, 167



104, 111, 117



245, 245, 245



117, 117, 117

Same Dimension

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



122, 153, 178



144, 193, 232



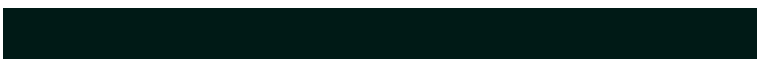
122, 145, 178



80, 85, 89



0, 85, 153



0, 14, 26

Inverse Universe

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



178, 122, 133



232, 144, 161



178, 146, 122



89, 80, 82



153, 0, 30



26, 0, 5

Previews

White Background



This preview shows how the RYB color 122, 153, 178 looks on a white background.

Color Contrast Check

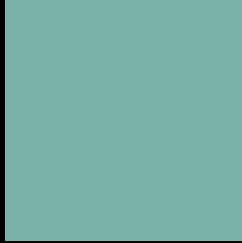
Large Text (above 18pt) WCAG AA × Fail

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, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

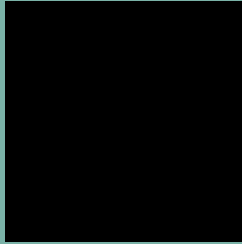
Any Text WCAG AA ✓ Pass

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, 178 Background



This preview shows how black text looks on a background with the RYB color 122, 153, 178.

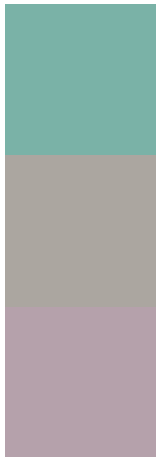


This preview shows how white text looks on a background with the RYB color 122, 153, 178.

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, 178

Protanopia
169, 171, 160

Deuteranopia
181, 161, 171



Tritanopia
127, 154, 189

Trichromacy



Original Color

122, 153, 178

Protanomaly

153, 164, 170

Deuteranomaly

160, 164, 170

Tritanomaly

125, 152, 181

Monochromacy



Original Color

122, 153, 178

Achromatopsia

160, 160, 160

Achromatomaly

146, 158, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 153, 178 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(122, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(122, 178, 167)  
}
```

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(122, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 178, 167) }
```

Border

The CSS property to change the border of an element to RYB 122, 153, 178 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(122, 178, 167) }
```

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

```
.border{ border-color:rgb(122, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(122, 178,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 122, 153, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 178, 167) }
```

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

```
.background{ background-color: rgb(122,  
178, 167) }
```

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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