Converting Colors

RYB(102, 149, 183)

Have a look what the booklet for RYB(102, 149, 183) contains.

Color

RYB(102, 149, 183)

Conversions

Conversions Part 1

Format	Color
Hex	66B7A1
RGB	102, 183, 161
RGB Percent	40%, 72%, 63%
CMY	0.6000, 0.2824, 0.3702
CMYK	0.44, 0.00, 0.12, 0.28
HSL	163°, 36%, 56%
HSV	163°, 44%, 72%
XYZ	28.8104, 39.2507, 39.5893
YIQ	156.2730, -41.2140, -24.0140

Conversions

Conversions Part 2

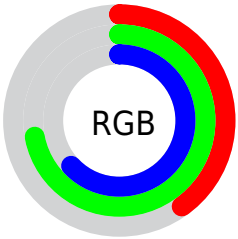
Format	Color
RYB	102, 149, 183
Decimal	6731681
CIELab	68.93, -30.22, 3.69
CIELCh	69, 30.441, 173.042
Yxy	39.2507, 0.2676, 0.3646
Android (android.graphics.Color)	4284921761 (0xFF66B7A1)
YUV	156.2730, 2.3304, -47.5974
Hunter-Lab	62.6504, -27.5532, 6.3895

Details

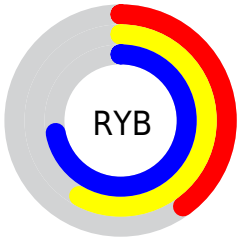
The RYB color 102, 149, 183 is a light color, and the websafe version is hex 66CCCC. A complement of this color would be 183, 102, 124, and the grayscale version is 156, 156, 156.

A 20% lighter version of the original color is 157, 205, 239, and 46, 94, 130 is the 20% darker color. If you saturate the color by 10%, you get 84, 141, 183, and if you desaturate by 10%, it is 120, 156, 183.

Distribution

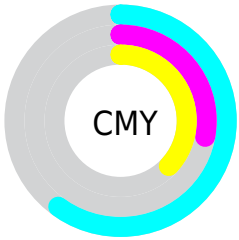


- Red (40%)
- Green (72%)
- Blue (63%)



- Red (40%)
- Yellow (58%)
- Blue (72%)

- Cyan (44%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)



- Cyan (60%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 149, 183 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 102, 149, 183 by changing the saturation by 10% instead.

102, 149, 183	102, 149, 183
255, 255, 255	75, 122, 156
157, 205, 239	46, 94, 130
185, 223, 255	9, 62, 104
214, 235, 255	0, 44, 79
243, 249, 255	0, 33, 56
	0, 23, 35
	0, 0, 0

102, 149, 183	102, 149, 183
84, 141, 183	120, 156, 183

65, 134, 183

47, 126, 183

29, 118, 183

11, 111, 183

0, 106, 183

139, 164, 183

157, 172, 183

175, 180, 183

194, 183, 186

212, 183, 191

230, 183, 196

248, 183, 201

255, 183, 206

Harmonies

Analogous

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

134, 180, 180

102, 149, 183

80, 133, 189

Triad

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

102, 149, 183

163, 163, 219

214, 170, 125

Complementary

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

102, 149, 183

183, 102, 124

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.

223, 149, 148

102, 149, 183

197, 154, 202

Square

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

102, 149, 183

122, 156, 222

218, 148, 176

160, 193, 114

Rectangle

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

102, 149, 183

80, 136, 205

218, 148, 176

219, 158, 132

Sweetspot

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

102, 149, 183

206, 224, 237

102, 183, 160

101, 112, 120

247, 247, 247

120, 120, 120

Same Dimension

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

102, 149, 183

111, 184, 237

102, 137, 183

83, 88, 92

0, 90, 156

0, 16, 28

Inverse Universe

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

183, 102, 124

237, 111, 146

183, 125, 102

92, 83, 85

156, 0, 43

28, 0, 8

Previews

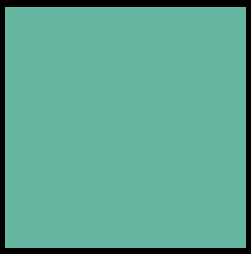
White Background

This preview shows how the RYB color 102, 149, 183 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



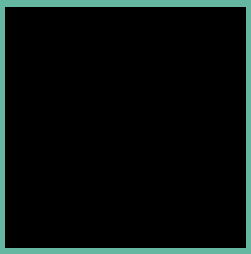
This preview shows how the RYB color 102, 149, 183 looks on a black background.

Color Contrast Check

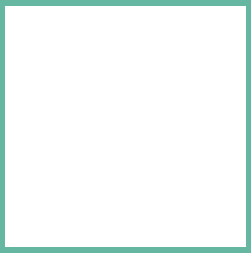
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 102, 149, 183 Background



This preview shows how black text looks on a background with the RYB color 102, 149, 183.



This preview shows how white text looks on a background with the RYB color 102, 149, 183.

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

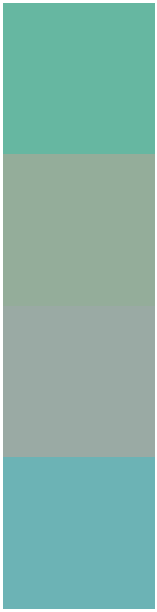
Original Color
102, 149, 183

Protanopia
162, 174, 152

Deuteranopia
184, 162, 165

Tritanopia
111, 148, 193

Trichromacy



Original Color
102, 149, 183

Protanomaly
148, 168, 173

Deuteranomaly
154, 164, 170

Tritanomaly
108, 144, 181

Monochromacy

Original Color
102, 149, 183

Achromatopsia
156, 156, 156

Achromatomaly
136, 153, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 149, 183 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(102, 183, 161) looks like.

```
.text, #text, p{
    color:rgb(102, 183, 161)
}
```

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(102, 183, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 161) }
```

Border

The CSS property to change the border of an element to RYB 102, 149, 183 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(102, 183, 161) }
```

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

```
.border{ border-color:rgb(102, 183, 161) }
```

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

Here you see how a box with a 4 pixel rgb(102, 183, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 183, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 183, 161); box-shadow:4px 4px 4px 4px rgb(102, 183, 161) }
```

Background

The CSS property to change the background color of an element to RYB 102, 149, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(102, 183, 161) }
```

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

```
.background{ background-color:rgb(102,
183, 161) }
```

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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