

Converting Colors

`RYB(102, 140, 159)`

Have a look what the booklet for
RYB(102, 140, 159) contains.

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Color

R_YB(102, 140, 159)

Conversions

Conversions Part 1

Format	Color
Hex	669F83
RGB	102, 159, 131
RGB Percent	40%, 62%, 51%
CMY	0.6000, 0.3765, 0.4882
CMYK	0.36, 0.00, 0.18, 0.38
HSL	150°, 23%, 51%
HSV	150°, 36%, 62%
XYZ	21.9405, 29.2462, 25.7842
YIQ	138.7650, -24.9840, -20.7920

Conversions

Conversions Part 2

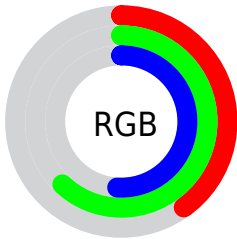
Format	Color
RYB	102, 140, 159
Decimal	6725507
CIELab	61.00, -25.17, 9.02
CIElCh	61, 26.738, 160.285
Yxy	29.2462, 0.2850, 0.3800
Android (android.graphics.Color)	4284915587 (0xFF669F83)
YUV	138.7650, -3.8281, -32.2429
Hunter-Lab	54.0798, -22.2209, 9.5875

Details

The RYB color **102, 140, 159** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **159, 102, 131**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **155, 195, 214**, and **51, 87, 107** is the 20% darker color. If you saturate the color by 10%, you get **86, 134, 159**, and if you desaturate by 10%, it is **118, 146, 159**.

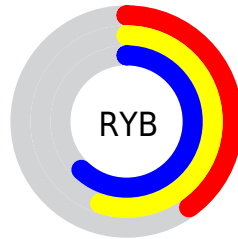
Distribution



Red (40%)

Green (62%)

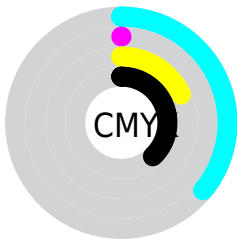
Blue (51%)



Red (40%)

Yellow (55%)

Blue (62%)

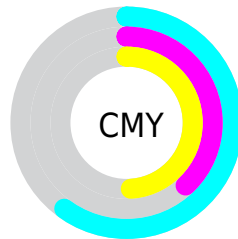


Cyan (36%)

Magenta (0%)

Yellow (18%)

Black (38%)



Cyan (60%)

Magenta (38%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 140, 159 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, 140, 159 by changing the saturation by 10% instead.

 102, 140, 159


255, 255, 255


 155, 195, 214


 182, 222, 242

 210, 237, 255

 239, 247, 255

 102, 140, 159

 77, 114, 133

 51, 87, 107

 25, 62, 83


 0, 37, 59


 0, 26, 37

 0, 7, 7


 0, 0, 0


 102, 140, 159


 86, 134, 159


 102, 140, 159


 118, 146, 159

 70, 129, 159


 134, 151, 159


 54, 124, 159


 150, 156, 159

 38, 118, 159

 166, 159, 162

 22, 113, 159

 182, 159, 170

 7, 108, 159

 197, 159, 178

 0, 106, 159

 213, 159, 186

 229, 159, 194

 245, 159, 202

Harmonies

Analogous

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



111, 155, 136



102, 140, 159



78, 120, 160

Triad

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



102, 140, 159



128, 143, 193



191, 137, 118

Complementary

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



102, 140, 159



159, 102, 131

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.



194, 130, 140



102, 140, 159



161, 138, 183

Square

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



102, 140, 159



94, 131, 191



184, 132, 164



177, 177, 103

Rectangle

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



102, 140, 159



71, 118, 170



184, 132, 164



194, 132, 125

Sweetspot

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



102, 140, 159



184, 200, 207



102, 159, 130



91, 100, 105



232, 232, 232



105, 105, 105

Same Dimension

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



102, 140, 159



118, 178, 207



102, 131, 159



71, 76, 79



0, 96, 143



0, 10, 15

Inverse Universe

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



159, 102, 131



207, 118, 162



159, 102, 102



79, 71, 75



143, 0, 71



15, 0, 8

Previews

White Background



This preview shows how the RYB color 102, 140, 159 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 102, 140, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

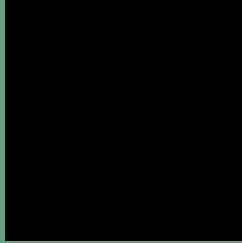
Any Text WCAG AA ✓ Pass

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](#).

RYP 102, 140, 159 Background



This preview shows how black text looks on a background with the RYP color 102, 140, 159.




This preview shows how white text looks on a background with the RYP color 102, 140, 159.

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





Tritanopia
110, 135, 166

Trichromacy



Original Color

102, 140, 159

Protanomaly

126, 151, 142

Deuteranomaly

133, 148, 139

Tritanomaly

107, 132, 156

Monochromacy



Original Color

102, 140, 159

Achromatopsia

139, 139, 139

Achromatomaly

126, 139, 146

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 140, 159 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, 159, 131)` looks like.

```
.text, #text, p{  
    color:rgb(102, 159, 131)  
}
```

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, 159, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 159, 131) }
```

Border

The CSS property to change the border of an element to RYB 102, 140, 159 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, 159, 131) }
```

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

```
.border{ border-color:rgb(102, 159, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 159, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 159, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 159, 131);  
box-shadow:4px 4px 4px 4px rgb(102, 159,  
131) }
```

Background

The CSS property to change the background color of an element to RYB 102, 140, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 159, 131) }
```

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

```
.background{ background-color: rgb(102,  
159, 131) }
```

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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