

Converting Colors

`RYB(103, 132, 181)`

Have a look what the booklet for
RYB(103, 132, 181) contains.

RYB(103, 132, 181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(103, 132, 181)$

Conversions

Conversions Part 1

Format	Color
Hex	6795B5
RGB	103, 149, 181
RGB Percent	40%, 58%, 71%
CMY	0.5961, 0.4150, 0.2902
CMYK	0.43, 0.18, 0.00, 0.29
HSL	204°, 35%, 56%
HSV	204°, 43%, 71%
XYZ	24.7073, 27.7664, 47.7733
YIQ	138.8940, -37.6880, 0.2000

Conversions

Conversions Part 2

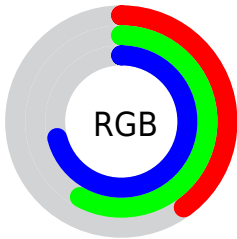
Format	Color
RYB	103, 132, 181
Decimal	6788533
CIELab	59.68, -7.09, -21.50
CIElCh	60, 22.636, 251.746
Yxy	27.7664, 0.2465, 0.2770
Android (android.graphics.Color)	4284978613 (0xFF6795B5)
YUV	138.8940, 20.7583, -31.4790
Hunter-Lab	52.6938, -8.5182, -16.8679

Details

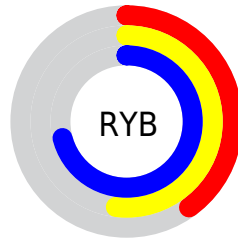
The RYB color **103, 132, 181** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **181, 157, 103**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **157, 186, 237**, and **49, 79, 128** is the 20% darker color. If you saturate the color by 10%, you get **85, 121, 181**, and if you desaturate by 10%, it is **121, 144, 181**.

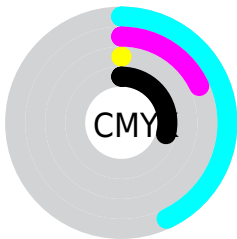
Distribution



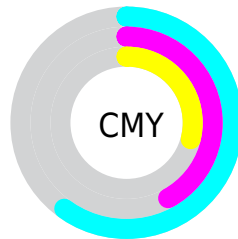
- Red (40%)
- Green (58%)
- Blue (71%)



- Red (40%)
- Yellow (52%)
- Blue (71%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)



- Cyan (60%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 132, 181 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 103, 132, 181 by changing the saturation by 10% instead.

■ 103, 132, 181

255, 255, 255

■ 157, 186, 237

■ 185, 213, 255

■ 214, 235, 255

■ 243, 249, 255

■ 103, 132, 181

■ 76, 105, 154

■ 49, 80, 128

■ 18, 52, 103

■ 0, 31, 79

■ 0, 20, 56

■ 0, 2, 35

■ 0, 0, 9

■ 0, 0, 0

■ 103, 132, 181

■ 103, 132, 181

■ 85, 121, 181

■ 121, 144, 181

■ 67, 109, 181

■ 139, 155, 181

■ 49, 98, 181

■ 157, 166, 181

■ 31, 87, 181

■ 175, 177, 181

■ 13, 75, 181

■ 194, 189, 181

■ 0, 67, 181

■ 212, 201, 181

■ 230, 215, 181

■ 248, 226, 181

■ 255, 247, 181

Harmonies

Analogous

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



86, 123, 170



103, 132, 181



130, 140, 182

Triad

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



103, 132, 181



184, 129, 136



114, 151, 137

Complementary

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



103, 132, 181



181, 157, 103

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.



111, 150, 105



103, 132, 181



181, 136, 118

Square

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



103, 132, 181



176, 131, 157



167, 169, 106



106, 138, 154

Rectangle

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



103, 132, 181



148, 138, 178



167, 169, 106



110, 149, 123

Sweetspot

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



103, 132, 181



204, 215, 235



103, 159, 181



99, 106, 117



245, 245, 245



117, 117, 117

Same Dimension

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



103, 132, 181



113, 158, 235



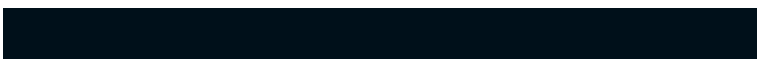
103, 110, 181



80, 84, 89



0, 57, 153



0, 10, 26

Inverse Universe

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



181, 103, 149



235, 113, 185



112, 181, 103



89, 80, 86



153, 0, 91



26, 0, 15

Previews

White Background



This preview shows how the RYB color 103, 132, 181 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 103, 132, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

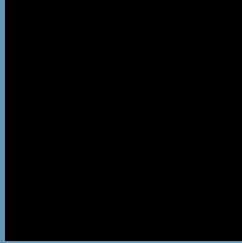
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

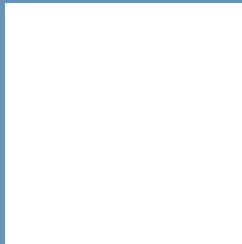
Any Text WCAG AAA × Fail

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

RYB 103, 132, 181 Background



This preview shows how black text looks on a background with the RYB color 103, 132, 181.

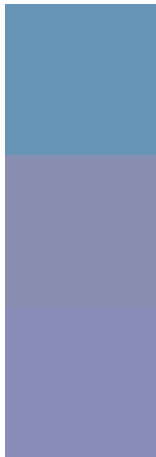


This preview shows how white text looks on a background with the RYB color 103, 132, 181.

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
103, 132, 181

Protanopia
135, 141, 176

Deuteranopia
136, 141, 183



Tritanopia

98, 128, 164

Trichromacy



Original Color
103, 132, 181

Protanomaly
123, 139, 178

Deuteranomaly
124, 139, 182

Tritanomaly
100, 130, 170

Monochromacy



Original Color
103, 132, 181

Achromatopsia
139, 139, 139

Achromatomaly
126, 137, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 132, 181 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(103, 149, 181)` looks like.

```
.text, #text, p{  
    color:rgb(103, 149, 181)  
}
```

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(103, 149, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 149, 181) }
```

Border

The CSS property to change the border of an element to RYB 103, 132, 181 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(103, 149, 181) }
```

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

```
.border{ border-color:rgb(103, 149, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 149, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 149, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 149, 181);  
box-shadow:4px 4px 4px 4px rgb(103, 149,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 103, 149, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 149, 181) }
```

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

```
.background{ background-color: rgb(103,  
149, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor