

Converting Colors

`RYB(100, 129, 163)`

Have a look what the booklet for
RYB(100, 129, 163) contains.

RYB(100, 129, 163)	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

`RYB(100, 129, 163)`

Conversions

Conversions Part 1

Format	Color
Hex	649AA3
RGB	100, 154, 163
RGB Percent	39%, 60%, 64%
CMY	0.6078, 0.3971, 0.3608
CMYK	0.39, 0.06, 0.00, 0.36
HSL	189°, 26%, 52%
HSV	189°, 39%, 64%
XYZ	23.3783, 28.3776, 38.8956
YIQ	138.8800, -35.0730, -8.6490

Conversions

Conversions Part 2

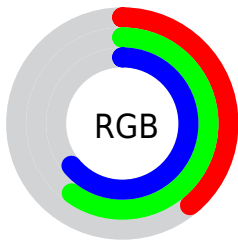
Format	Color
RYB	100, 129, 163
Decimal	6593187
CIELab	60.23, -15.29, -10.48
CIELCh	60, 18.540, 214.423
Yxy	28.3776, 0.2579, 0.3130
Android (android.graphics.Color)	4284783267 (0xFF649AA3)
YUV	138.8800, 11.8912, -34.0978
Hunter-Lab	53.2706, -14.8871, -6.0012

Details

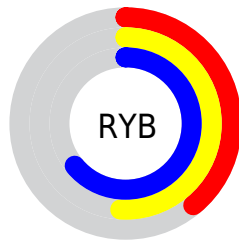
The RYB color **100, 129, 163** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **163, 111, 100**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **154, 183, 218**, and **48, 77, 111** is the 20% darker color. If you saturate the color by 10%, you get **84, 120, 163**, and if you desaturate by 10%, it is **116, 138, 163**.

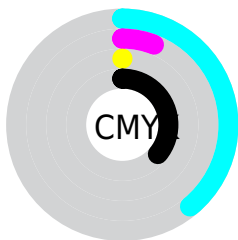
Distribution



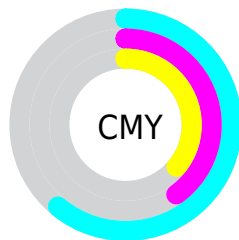
- Red (39%)
- Green (60%)
- Blue (64%)



- Red (39%)
- Yellow (51%)
- Blue (64%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (36%)




- Cyan (61%)
- Magenta (40%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the RYB color 100, 129, 163 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 100, 129, 163 by changing the saturation by 10% instead.

 100, 129, 163


255, 255, 255


 154, 183, 218

 181, 211, 246

 209, 232, 255


 238, 247, 255

 100, 129, 163

 74, 103, 137

 48, 77, 111

 19, 51, 87


 0, 30, 64


 0, 19, 42


 0, 3, 22

 0, 0, 0

 100, 129, 163

 84, 120, 163

 100, 129, 163

 116, 138, 163

67, 111, 163

133, 147, 163

51, 103, 163

149, 155, 163

35, 94, 163

165, 163, 163

19, 85, 163

181, 167, 163

2, 76, 163

198, 169, 163

0, 75, 163

214, 172, 163

230, 175, 163

247, 177, 163

Harmonies

Analogous

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



104, 132, 155



100, 129, 163



110, 135, 174

Triad

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



100, 129, 163



169, 136, 160



126, 155, 113

Complementary

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



100, 129, 163



163, 111, 100

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.



170, 156, 116



100, 129, 163



178, 134, 143

Square

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



100, 129, 163



151, 140, 172



178, 136, 127



118, 150, 131

Rectangle

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



100, 129, 163



122, 140, 177



178, 136, 127



142, 161, 113

Sweetspot

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



100, 129, 163



186, 198, 212



100, 156, 163



92, 99, 107



235, 235, 235



107, 107, 107

Same Dimension

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



100, 129, 163



114, 159, 212



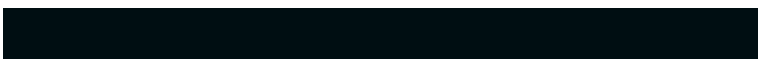
100, 117, 163



73, 77, 82



0, 67, 145



0, 8, 18

Inverse Universe

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



163, 100, 154



212, 114, 197



136, 163, 100



82, 73, 80



145, 0, 124



18, 0, 15

Previews

White Background



This preview shows how the RYB color 100, 129, 163 looks on a white background.

Color Contrast Check

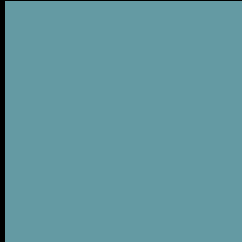
Large Text (above 18pt) WCAG AA ✓ Pass

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 100, 129, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

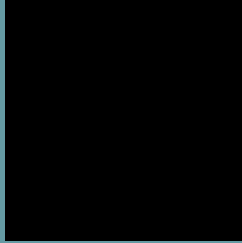
Any Text WCAG AA ✓ Pass

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](#).

R Y B 100, 129, 163 Background



This preview shows how black text looks on a background with the R Y B color 100, 129, 163.

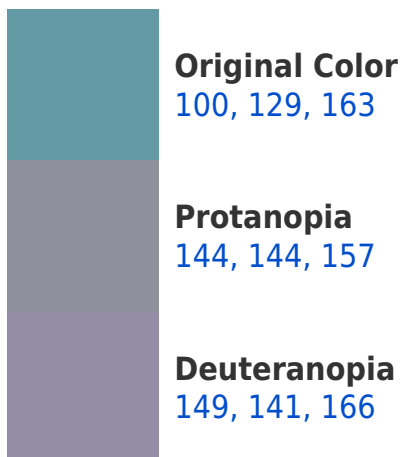


This preview shows how white text looks on a background with the R Y B color 100, 129, 163.

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
101, 130, 166

Trichromacy



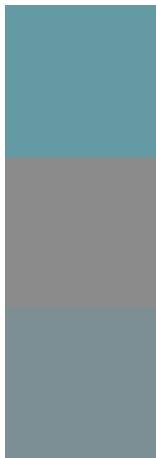
Original Color
100, 129, 163

Protanomaly
128, 140, 159

Deuteranomaly
131, 141, 165

Tritanomaly
101, 130, 165

Monochromacy



Original Color
100, 129, 163

Achromatopsia
139, 139, 139

Achromatomaly
125, 135, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 129, 163 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(100, 154, 163)` looks like.

```
.text, #text, p{  
    color:rgb(100, 154, 163)  
}
```

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(100, 154, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 154, 163) }
```

Border

The CSS property to change the border of an element to RYB 100, 129, 163 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(100, 154, 163) }
```

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

```
.border{ border-color:rgb(100, 154, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 154, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 154, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 154, 163); box-shadow:4px 4px 4px 4px rgb(100, 154, 163) }
```

Background

The CSS property to change the background color of an element to RYB 100, 129, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 154, 163) }
```

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

```
.background{ background-color: rgb(100,  
154, 163) }
```

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