

# Converting Colors

`RYB(131, 155, 202)`

Have a look what the booklet for  
RYB(131, 155, 202) contains.

<b>RYB(131, 155, 202)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(131, 155, 202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A7CA
RGB	131, 167, 202
RGB Percent	51%, 65%, 79%
CMY	0.4863, 0.3441, 0.2078
CMYK	0.35, 0.17, 0.00, 0.21
HSL	209°, 40%, 65%
HSV	209°, 35%, 79%
XYZ	33.8863, 36.8206, 61.1982
YIQ	160.2260, -32.6910, 3.2530

# Conversions

## Conversions Part 2

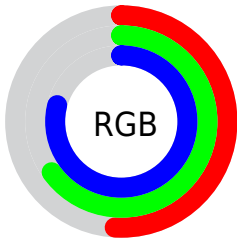
Format	Color
<a href="#">RYB</a>	<a href="#">131, 155, 202</a>
Decimal	<a href="#">8628170</a>
CIELab	<a href="#">67.14, -3.83, -21.70</a>
CIELCh	<a href="#">67, 22.040, 259.988</a>
Yxy	<a href="#">36.8206, 0.2569, 0.2791</a>
Android (android.graphics.Color)	<a href="#">4286818250 (0xFF83A7CA)</a>
YUV	<a href="#">160.2260, 20.5946, -25.6312</a>
Hunter-Lab	<a href="#">60.6800, -6.5081, -17.3203</a>

# Details

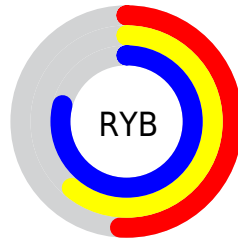
The RYB color **131, 155, 202** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **202, 200, 131**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **186, 210, 255**, and **78, 102, 148** is the 20% darker color. If you saturate the color by 10%, you get **111, 142, 202**, and if you desaturate by 10%, it is **151, 168, 202**.

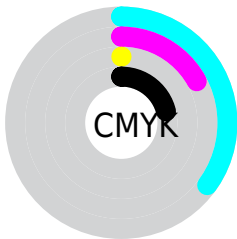
# Distribution



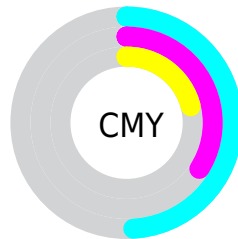
- Red (51%)
- Green (65%)
- Blue (79%)



- Red (51%)
- Yellow (61%)
- Blue (79%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)
- Black (21%)




- Cyan (49%)
- Magenta (34%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 131, 155, 202 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 131, 155, 202 by changing the saturation by 10% instead.




 131, 155, 202


255, 255, 255


 186, 210, 255

 214, 233, 255

 243, 249, 255

 131, 155, 202


 104, 128, 175

 78, 102, 148

 52, 77, 122


 25, 52, 97


 0, 28, 73


 0, 17, 50


 0, 2, 29


 0, 0, 0


 131, 155, 202


 131, 155, 202


 111, 142, 202


 151, 168, 202

 91, 128, 202


 171, 182, 202

 70, 115, 202

 192, 195, 202

 50, 102, 202

 212, 212, 202

 30, 88, 202

 232, 232, 202

 10, 75, 202

 252, 252, 202

 0, 68, 202

 232, 255, 202

 213, 255, 202

 202, 255, 202

# Harmonies

## Analogous

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



111, 146, 193



131, 155, 202



158, 161, 201

# Triad

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



131, 155, 202



204, 150, 151



137, 171, 166

# Complementary

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



131, 155, 202



202, 200, 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.



126, 166, 128



131, 155, 202



199, 163, 134

# Square

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



131, 155, 202



199, 150, 171



168, 185, 125



121, 153, 174

# Rectangle

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



131, 155, 202



175, 156, 194



168, 185, 125



133, 170, 154



# Sweetspot

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



131, 155, 202



227, 236, 255



131, 179, 202



111, 116, 128



0, 0, 0



128, 128, 128

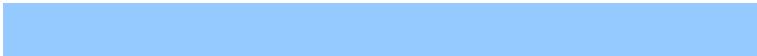


# Same Dimension

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



131, 155, 202



148, 184, 255



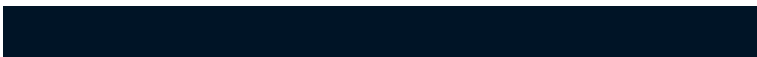
131, 132, 202



92, 95, 102



0, 56, 166



0, 13, 38



# Inverse Universe

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



202, 131, 167



255, 148, 203



132, 202, 131



102, 92, 97



166, 0, 85

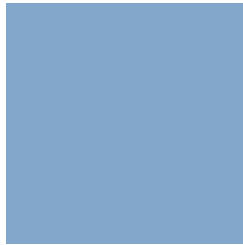


38, 0, 20



# Previews

## White Background



This preview shows how the RYB color 131, 155, 202 looks on a white background.

## Color Contrast Check

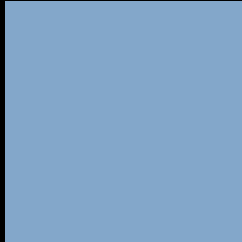
Large Text (above 18pt) WCAG AA × Fail

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 131, 155, 202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

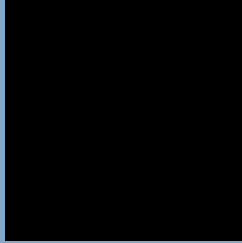
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

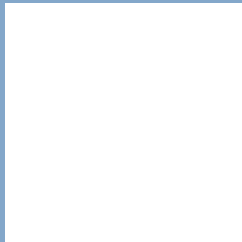
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 131, 155, 202 Background**



This preview shows how black text looks on a background with the RYB color 131, 155, 202.




This preview shows how white text looks on a background with the RYB color 131, 155, 202.

# 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](#).

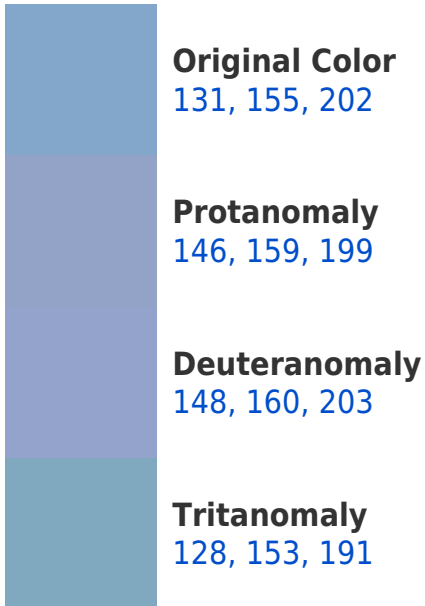
## Dichromacy



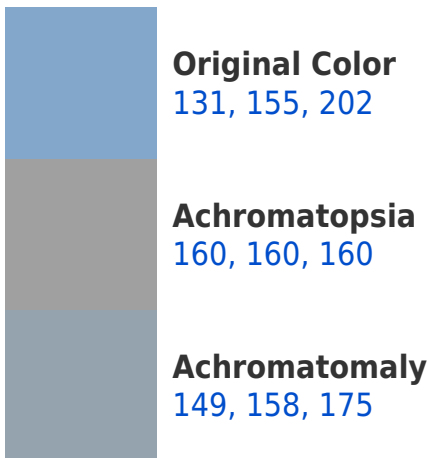


**Tritanopia**  
127, 152, 184

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 131, 155, 202 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(131, 167, 202)` looks like.

```
.text, #text, p{  
    color:rgb(131, 167, 202)  
}
```

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(131, 167, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 167, 202) }
```

## Border

The CSS property to change the border of an element to RYB 131, 155, 202 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(131, 167, 202) }
```

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

```
.border{ border-color:rgb(131, 167, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 167, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 167, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 167, 202);  
box-shadow:4px 4px 4px 4px rgb(131, 167,  
202) }
```

# Background

The CSS property to change the background color of an element to RYB 131, 155, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 167, 202) }
```

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

```
.background{ background-color: rgb(131,  
167, 202) }
```

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