

# Converting Colors

`RYB(131, 190, 244)`

Have a look what the booklet for  
RYB(131, 190, 244) contains.

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# Color

**R<sub>Y</sub>B(131, 190, 244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F4EA
RGB	131, 244, 234
RGB Percent	51%, 96%, 92%
CMY	0.4863, 0.0431, 0.0807
CMYK	0.46, 0.00, 0.04, 0.04
HSL	175°, 84%, 74%
HSV	175°, 46%, 96%
XYZ	56.6230, 75.4916, 89.7484
YIQ	209.0730, -64.1380, -27.0660

# Conversions

## Conversions Part 2

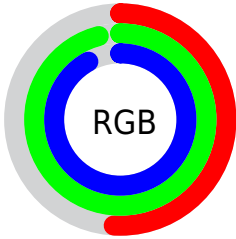
Format	Color
R <sub>Y</sub> B	131, 190, 244
Decimal	8647914
CIE Lab	89.62, -34.56, -5.41
CIE LCh	90, 34.977, 188.904
Yxy	75.4916, 0.2552, 0.3403
Android (android.graphics.Color)	4286837994 (0xFF83F4EA)
YUV	209.0730, 12.2890, -68.4700
Hunter-Lab	86.8859, -35.7229, -0.4233

# Details

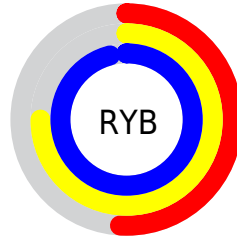
The RYB color **131, 190, 244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **244, 131, 141**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **190, 223, 255**, and **70, 131, 187** is the 20% darker color. If you saturate the color by 10%, you get **107, 179, 244**, and if you desaturate by 10%, it is **155, 202, 244**.

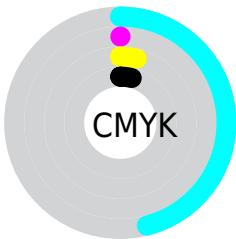
# Distribution



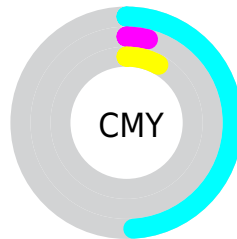
- Red (51%)
- Green (96%)
- Blue (92%)



- Red (51%)
- Yellow (75%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)




- Cyan (49%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 131, 190, 244 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, 190, 244 by changing the saturation by 10% instead.




 131, 190, 244


255, 255, 255


 190, 223, 255


 220, 238, 255

 250, 253, 255

 131, 190, 244

 101, 160, 215

 70, 131, 187

 31, 98, 160

 0, 68, 133


 0, 56, 108


 0, 43, 83


 0, 31, 59

 0, 20, 38


 0, 0, 12

 131, 190, 244


 131, 190, 244

 107, 179, 244


 155, 202, 244

 82, 167, 244


 180, 213, 244

 58, 155, 244

 204, 225, 244

 33, 143, 244

 229, 237, 244

 9, 132, 244

 253, 244, 245

 0, 127, 244

 255, 244, 247

 255, 244, 249

 255, 244, 251

 255, 244, 253

# Harmonies

## Analogous

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



164, 217, 242



131, 190, 244



122, 185, 255

# Triad

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



131, 190, 244



243, 213, 255



235, 255, 164

# Complementary

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



131, 190, 244



244, 131, 141

# 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.



255, 213, 185



131, 190, 244



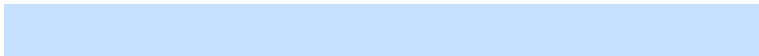
255, 204, 250

# Square

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



131, 190, 244



197, 216, 255



255, 201, 216



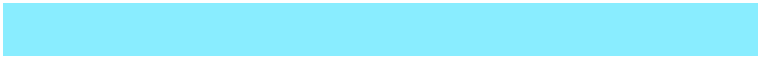
175, 239, 159

# Rectangle

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



131, 190, 244



137, 191, 255



255, 201, 216



255, 251, 169



# Sweetspot

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



131, 190, 244



219, 238, 255



131, 244, 233



106, 118, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



131, 190, 244



112, 187, 255



131, 173, 244



110, 116, 122



0, 97, 186



0, 31, 59



# Inverse Universe

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



244, 131, 141



255, 112, 124



244, 206, 131



122, 110, 111



186, 0, 16

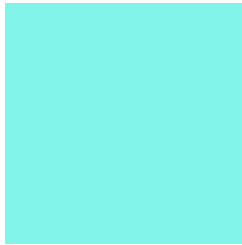


59, 0, 5



# Previews

## White Background



This preview shows how the RYB color 131, 190, 244 looks on a white background.

## Color Contrast Check

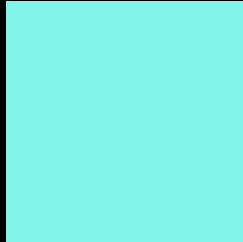
Large Text (above 18pt) WCAG AA × Fail

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, 190, 244 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, 190, 244 Background**



This preview shows how black text looks on a background with the RYB color 131, 190, 244.



This preview shows how white text looks on a background with the RYB color 131, 190, 244.

# 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





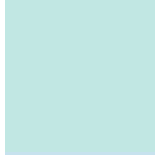
**Tritanopia**  
154, 200, 255

# Trichromacy



**Original Color**

131, 190, 244



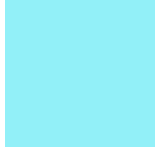
**Protanomaly**

193, 213, 231



**Deuteranomaly**

199, 215, 238



**Tritanomaly**

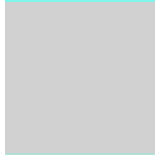
146, 195, 248

# Monochromacy



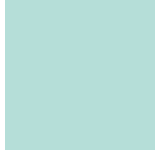
**Original Color**

131, 190, 244



**Achromatopsia**

209, 209, 209



**Achromatomaly**

181, 203, 222

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 131, 190, 244 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, 244, 234)` looks like.

```
.text, #text, p{  
    color:rgb(131, 244, 234)  
}
```

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, 244, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 244, 234) }
```

## Border

The CSS property to change the border of an element to RYB 131, 190, 244 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, 244, 234) }
```

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

```
.border{ border-color:rgb(131, 244, 234) }
```

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

Here you see how a box with a 4 pixel rgb(131, 244, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 244, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 244, 234);  
box-shadow:4px 4px 4px 4px rgb(131, 244,  
234) }
```

# Background

The CSS property to change the background color of an element to RYB 131, 190, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 244, 234) }
```

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

```
.background{ background-color: rgb(131,  
244, 234) }
```

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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