

# Converting Colors

`RYB(151, 200, 246)`

Have a look what the booklet for  
RYB(151, 200, 246) contains.

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# **Color**

**R<sub>Y</sub>B(151, 200, 246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97F6F0
RGB	151, 246, 240
RGB Percent	59%, 96%, 94%
CMY	0.4078, 0.0353, 0.0581
CMYK	0.39, 0.00, 0.02, 0.04
HSL	176°, 84%, 78%
HSV	176°, 39%, 96%
XYZ	61.4737, 78.7930, 94.5498
YIQ	216.9110, -54.6940, -22.0060

# Conversions

## Conversions Part 2

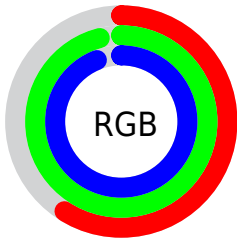
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 200, 246
Decimal	9959152
CIELab	91.14, -29.41, -6.08
CIELCh	91, 30.034, 191.685
Yxy	78.7930, 0.2618, 0.3356
Android (android.graphics.Color)	4288149232 (0xFF97F6F0)
YUV	216.9110, 11.3829, -57.8039
Hunter-Lab	88.7654, -31.7209, -1.0178

# Details

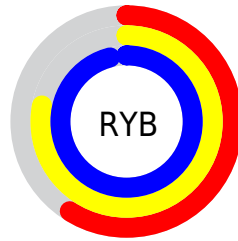
The RYB color **151, 200, 246** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **246, 151, 157**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **209, 232, 255**, and **94, 143, 189** is the 20% darker color. If you saturate the color by 10%, you get **126, 188, 246**, and if you desaturate by 10%, it is **176, 212, 246**.

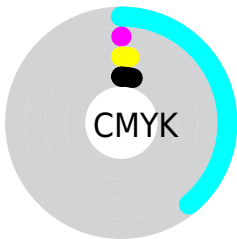
# Distribution



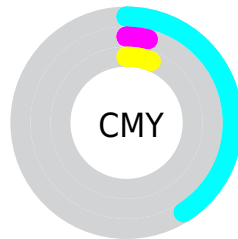
- Red (59%)
- Green (96%)
- Blue (94%)



- Red (59%)
- Yellow (78%)
- Blue (96%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (41%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 151, 200, 246 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 151, 200, 246 by changing the saturation by 10% instead.




 151, 200, 246

 151, 200, 246


255, 255, 255

 122, 171, 217

 209, 232, 255

 94, 143, 189


 238, 247, 255

 64, 114, 162

 29, 84, 136

 0, 56, 110

 0, 43, 85

 0, 31, 61

 0, 20, 39


 0, 6, 17

 151, 200, 246


 151, 200, 246

 126, 188, 246


 176, 212, 246

 102, 176, 246


 200, 224, 246

 77, 164, 246

 225, 236, 246

 53, 153, 246

 249, 246, 246

 28, 140, 246

 255, 246, 248

 3, 128, 246

 255, 246, 249

 0, 127, 246

 255, 246, 251

 255, 246, 252

 255, 246, 254

# Harmonies

## Analogous

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



175, 221, 245



151, 200, 246



148, 199, 255

# Triad

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



151, 200, 246



248, 218, 255



233, 255, 176

# Complementary

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



151, 200, 246



246, 151, 157

# 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, 223, 193



151, 200, 246



255, 211, 248

# Square

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



151, 200, 246



210, 223, 255



255, 209, 219



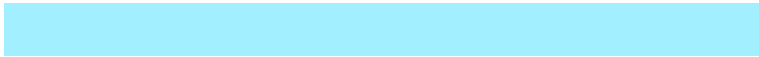
182, 239, 173

# Rectangle

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



151, 200, 246



162, 204, 255



255, 209, 219

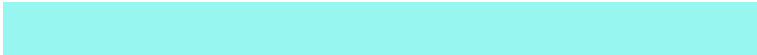


249, 255, 180

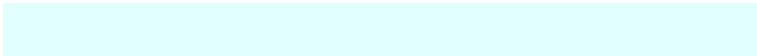


# Sweetspot

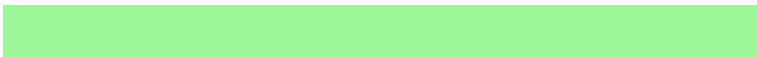
The Sweet Spot groups the original color and five complimentary colors.



151, 200, 246



224, 240, 255



151, 246, 240



110, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

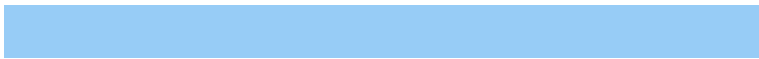
The Same Dimension uses a secret algorithm to generate beautiful new colors.



151, 200, 246



138, 198, 255



151, 185, 246



110, 116, 122



0, 96, 186



0, 31, 59



# Inverse Universe

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



246, 151, 157



255, 138, 145



246, 223, 151



122, 110, 111



186, 0, 11

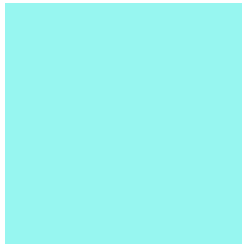


59, 0, 4



# Previews

## White Background



This preview shows how the RYB color 151, 200, 246 looks on a white background.

## Color Contrast Check

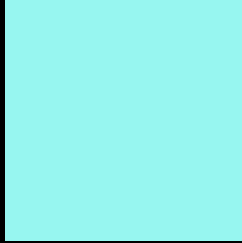
Large Text (above 18pt) WCAG AA × Fail

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 151, 200, 246 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 151, 200, 246 Background**



This preview shows how black text looks on a background with the RYB color 151, 200, 246.

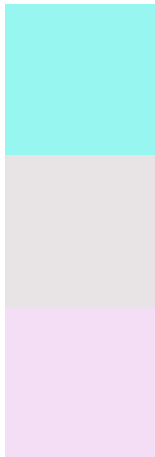


This preview shows how white text looks on a background with the RYB color 151, 200, 246.

# 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**  
151, 200, 246

**Protanopia**  
232, 227, 229

**Deuteranopia**  
243, 222, 245



**Tritanopia**  
176, 211, 255

# Trichromacy



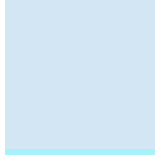
**Original Color**

151, 200, 246



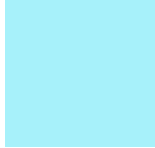
**Protanomaly**

203, 219, 234



**Deuteranomaly**

210, 223, 243



**Tritanomaly**

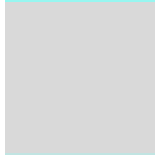
167, 206, 250

# Monochromacy



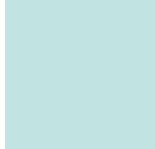
**Original Color**

151, 200, 246



**Achromatopsia**

217, 217, 217



**Achromatomaly**

193, 211, 228

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 151, 200, 246 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(151, 246, 240)` looks like.

```
.text, #text, p{  
    color:rgb(151, 246, 240)  
}
```

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(151, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 246, 240) }
```

## Border

The CSS property to change the border of an element to RYB 151, 200, 246 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(151, 246, 240) }
```

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

```
.border{ border-color:rgb(151, 246, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 246, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(151, 246,  
240) }
```

# Background

The CSS property to change the background color of an element to RYB 151, 200, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 246, 240) }
```

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

```
.background{ background-color: rgb(151,  
246, 240) }
```

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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