

Converting Colors

`RYB(151, 231, 240)`

Have a look what the booklet for
RYB(151, 231, 240) contains.

RYB(151, 231, 240)	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

R_YB(151, 231, 240)

Conversions

Conversions Part 1

Format	Color
Hex	97F0A1
RGB	151, 240, 161
RGB Percent	59%, 94%, 63%
CMY	0.4078, 0.0588, 0.3686
CMYK	0.37, 0.00, 0.33, 0.06
HSL	127°, 75%, 77%
HSV	127°, 37%, 94%
XYZ	50.3567, 71.4731, 44.8656
YIQ	204.3830, -27.6850, -43.4370

Conversions

Conversions Part 2

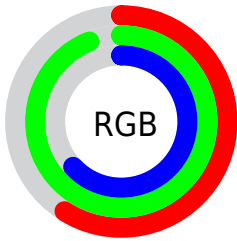
Format	Color
RYB	151, 231, 240
Decimal	9957537
CIELab	87.71, -42.46, 29.99
CIELCh	88, 51.984, 144.765
Yxy	71.4731, 0.3021, 0.4288
Android (android.graphics.Color)	4288147617 (0xFF97F0A1)
YUV	204.3830, -21.3878, -46.8169
Hunter-Lab	84.5418, -41.6259, 27.7145

Details

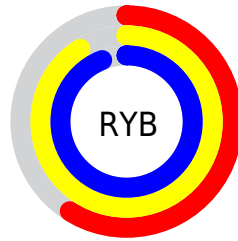
The RYB color **151, 231, 240** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **240, 151, 230**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **208, 248, 255**, and **96, 172, 183** is the 20% darker color. If you saturate the color by 10%, you get **127, 228, 240**, and if you desaturate by 10%, it is **175, 234, 240**.

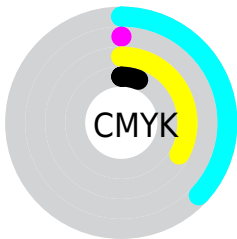
Distribution



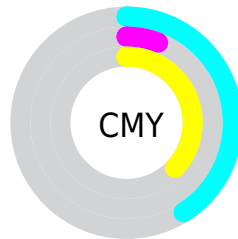
- Red (59%)
- Green (94%)
- Blue (63%)



- Red (59%)
- Yellow (91%)
- Blue (94%)



- Cyan (37%)
- Magenta (0%)
- Yellow (33%)
- Black (6%)




- Cyan (41%)
- Magenta (6%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 231, 240 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, 231, 240 by changing the saturation by 10% instead.


 151, 231, 240

 151, 231, 240

255, 255, 255


 123, 201, 211

 208, 248, 255

 96, 172, 183

 237, 249, 255


 68, 142, 156

 38, 112, 130

 0, 77, 104

 0, 69, 79

 0, 55, 55

 0, 34, 34

 0, 0, 0

 151, 231, 240

 151, 231, 240

 127, 228, 240

 175, 234, 240

 103, 226, 240

 199, 236, 240

 79, 224, 240

 223, 238, 240

 55, 221, 240

 247, 240, 246

 31, 218, 240

 255, 240, 255

 7, 217, 240

 0, 216, 240

Harmonies

Analogous

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



128, 229, 147



151, 231, 240



72, 169, 245

Triad

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



151, 231, 240



124, 182, 255



255, 183, 181

Complementary

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



151, 231, 240



240, 151, 230

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, 181, 231



151, 231, 240



212, 210, 255

Square

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



151, 231, 240



0, 124, 255



255, 192, 255



255, 251, 141

Rectangle

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



151, 231, 240



0, 124, 246



255, 192, 255



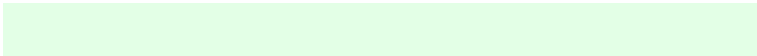
255, 181, 197

Sweetspot

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



151, 231, 240



227, 252, 255



151, 240, 160



111, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



151, 231, 240



140, 243, 255



151, 207, 240



108, 119, 120



0, 165, 184



0, 51, 56

Inverse Universe

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



240, 151, 230



255, 140, 242



240, 151, 187



120, 108, 119



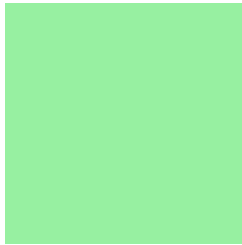
184, 0, 163



56, 0, 50

Previews

White Background



This preview shows how the RYB color 151, 231, 240 looks on a white background.

Color Contrast Check

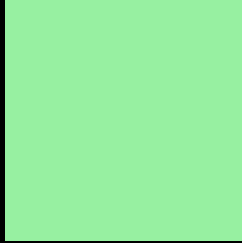
Large Text (above 18pt) WCAG AA × Fail

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, 231, 240 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, 231, 240 Background



This preview shows how black text looks on a background with the RYB color 151, 231, 240.

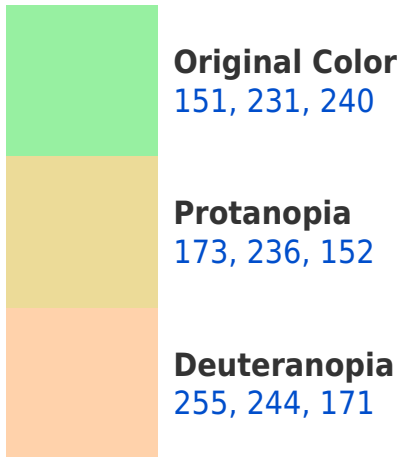


This preview shows how white text looks on a background with the RYB color 151, 231, 240.

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





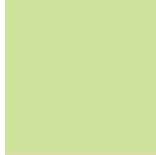
Tritanopia
168, 203, 248

Trichromacy



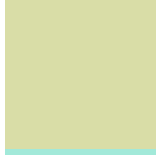
Original Color

151, 231, 240



Protanomaly

155, 227, 177



Deuteranomaly

167, 221, 171



Tritanomaly

162, 202, 233

Monochromacy



Original Color

151, 231, 240



Achromatopsia

204, 204, 204



Achromatomaly

185, 214, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 231, 240 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, 240, 161)` looks like.

```
.text, #text, p{  
    color:rgb(151, 240, 161)  
}
```

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, 240, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 240, 161) }
```

Border

The CSS property to change the border of an element to RYB 151, 231, 240 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, 240, 161) }
```

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

```
.border{ border-color:rgb(151, 240, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 240, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 240, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 240, 161);  
box-shadow:4px 4px 4px 4px rgb(151, 240,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 151, 231, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 240, 161) }
```

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

```
.background{ background-color: rgb(151,  
240, 161) }
```

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