

# Converting Colors

RGB(159, 233, 222)

Have a look what the booklet for  
RGB(159, 233, 222) contains.

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# **Color**

**RGB(159, 233, 222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE9DE
RGB	159, 233, 222
RGB Percent	62%, 91%, 87%
CMY	0.3765, 0.0863, 0.1294
CMYK	0.32, 0.00, 0.05, 0.09
HSL	171°, 63%, 77%
HSV	171°, 32%, 91%
XYZ	56.6218, 70.9227, 79.8124
YIQ	209.6200, -40.5730, -19.1090

# Conversions

## Conversions Part 2

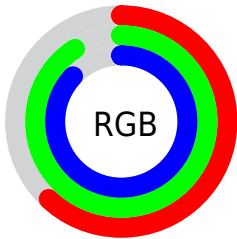
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 199, 233
Decimal	10480094
CIE <sub>Lab</sub>	87.45, -25.18, -1.97
CIE <sub>LCh</sub>	87, 25.259, 184.477
Yxy	70.9227, 0.2731, 0.3420
Android (android.graphics.Color)	4288670174 (0xFF9FE9DE)
YUV	209.6200, 6.1033, -44.3937
Hunter-Lab	84.2156, -27.3640, 2.7609

# Details

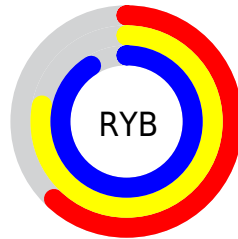
The RGB color **159, 233, 222** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **233, 159, 170**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **216, 255, 255**, and **104, 177, 167** is the 20% darker color. If you saturate the color by 10%, you get **136, 233, 219**, and if you desaturate by 10%, it is **182, 233, 225**.

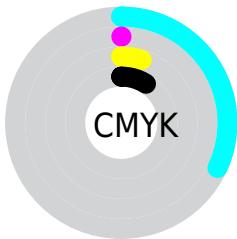
# Distribution



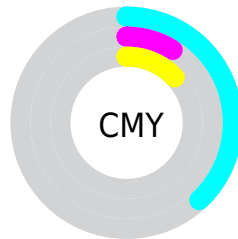
- Red (62%)
- Green (91%)
- Blue (87%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (38%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 159, 233, 222 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 RGB color 159, 233, 222 by changing the saturation by 10% instead.



 159, 233, 222


255, 255, 255


 216, 255, 255


 245, 255, 255

 159, 233, 222

 131, 205, 194

 104, 177, 167


 77, 150, 141

 50, 124, 115

 18, 99, 91

 0, 75, 67

 0, 52, 45

 0, 32, 24

 0, 0, 0

 159, 233, 222

 159, 233, 222

 136, 233, 219

 182, 233, 225

 112, 233, 215

 206, 233, 229

 89, 233, 212

 229, 233, 232

 66, 233, 208

 252, 233, 236

 42, 233, 205

 255, 233, 239

 19, 233, 201

 255, 233, 243

 0, 233, 198

 255, 233, 246

 255, 233, 250

 255, 233, 253

# Harmonies

## Analogous

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



180, 231, 198



159, 233, 222



153, 232, 245

# Triad

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



159, 233, 222



228, 212, 255



255, 211, 177

# Complementary

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



159, 233, 222



233, 159, 170

# 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, 204, 193



159, 233, 222



254, 205, 240

# Square

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



159, 233, 222



196, 220, 255



255, 202, 216



234, 219, 171

# Rectangle

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



159, 233, 222



160, 229, 255



255, 202, 216



255, 208, 181

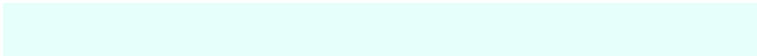


# Sweetspot

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



159, 233, 222



230, 255, 251



170, 233, 159



112, 128, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



159, 233, 222



158, 255, 241



159, 207, 233



106, 117, 116



0, 181, 154



0, 54, 46



# Inverse Universe

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



233, 159, 170



255, 158, 173



233, 185, 159



117, 106, 107



181, 0, 27

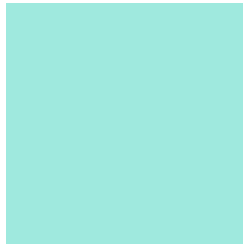


54, 0, 8



# Previews

## White Background



This preview shows how the RGB color 159, 233, 222 looks on a white background.

## Color Contrast Check

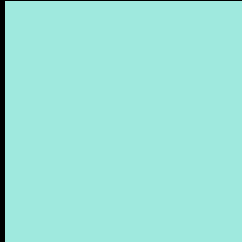
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 159, 233, 222 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

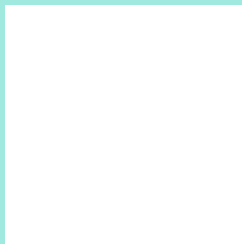
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 159, 233, 222 Background



This preview shows how black text looks on a background with the RGB color 159, 233, 222.



This preview shows how white text looks on a background with the RGB color 159, 233, 222.

# 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





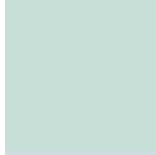
**Tritanopia**  
165, 229, 248

# Trichromacy



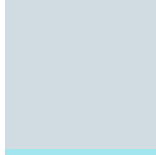
**Original Color**

159, 233, 222



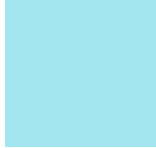
**Protanomaly**

200, 223, 216



**Deuteranomaly**

208, 220, 225



**Tritanomaly**

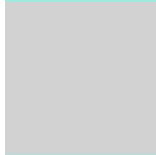
163, 230, 239

# Monochromacy



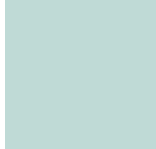
**Original Color**

159, 233, 222



**Achromatopsia**

210, 210, 210



**Achromatomaly**

191, 218, 214

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 159, 233, 222 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(159, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(159, 233, 222)  
}
```

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(159, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 233, 222) }
```

## Border

The CSS property to change the border of an element to RGB 159, 233, 222 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(159, 233, 222) }
```

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

```
.border{ border-color:rgb(159, 233, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 233, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(159, 233,  
222) }
```

# Background

The CSS property to change the background color of an element to RGB 159, 233, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 233, 222) }
```

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

```
.background{ background-color: rgb(159,  
233, 222) }
```

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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