

Converting Colors

RGB(135, 233, 219)

Have a look what the booklet for
RGB(135, 233, 219) contains.

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Color

RGB(135, 233, 219)

Conversions

Conversions Part 1

Format	Color
Hex	87E9DB
RGB	135, 233, 219
RGB Percent	53%, 91%, 86%
CMY	0.4706, 0.0863, 0.1412
CMYK	0.42, 0.00, 0.06, 0.09
HSL	171°, 69%, 72%
HSV	171°, 42%, 91%
XYZ	51.9168, 68.5432, 77.5117
YIQ	202.1020, -53.9140, -25.1300

Conversions

Conversions Part 2

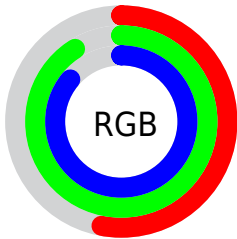
Format	Color
RYB	135, 188, 233
Decimal	8907227
CIELab	86.28, -32.13, -2.24
CIELCh	86, 32.208, 183.987
Yxy	68.5432, 0.2622, 0.3462
Android (android.graphics.Color)	4287097307 (0xFF87E9DB)
YUV	202.1020, 8.3307, -58.8485
Hunter-Lab	82.7908, -32.9495, 2.4442

Details

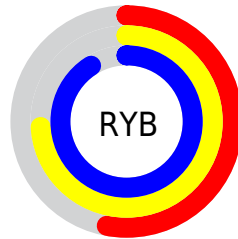
The RGB color **135, 233, 219** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **233, 135, 149**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **193, 255, 255**, and **77, 177, 164** is the 20% darker color. If you saturate the color by 10%, you get **112, 233, 216**, and if you desaturate by 10%, it is **158, 233, 222**.

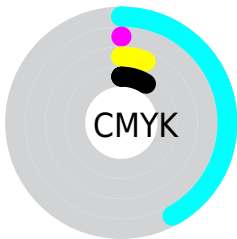
Distribution



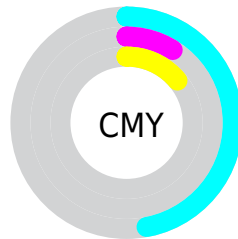
- Red (53%)
- Green (91%)
- Blue (86%)



- Red (53%)
- Yellow (74%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RGB color 135, 233, 219 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 135, 233, 219 by changing the saturation by 10% instead.


 135, 233, 219

 135, 233, 219


255, 255, 255

 106, 205, 191

 193, 255, 255

 77, 177, 164

 222, 255, 255

 46, 150, 138


 252, 255, 255

 0, 124, 112

 0, 98, 88

 0, 74, 65

 0, 50, 43

 0, 31, 22

 0, 0, 0

■ 135, 233, 219

■ 135, 233, 219

■ 112, 233, 216

■ 158, 233, 222

■ 88, 233, 212

■ 182, 233, 226

■ 65, 233, 209

■ 205, 233, 229

■ 42, 233, 206

■ 228, 233, 232

■ 19, 233, 202

■ 252, 233, 236

■ 0, 233, 200

■ 255, 233, 239

■ 255, 233, 242

■ 255, 233, 246

■ 255, 233, 249

Harmonies

Analogous

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



165, 230, 188



135, 233, 219



123, 232, 249

Triad

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



135, 233, 219



226, 207, 255



255, 205, 162

Complementary

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



135, 233, 219



233, 135, 149

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, 196, 183



135, 233, 219



255, 197, 243

Square

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



135, 233, 219



183, 217, 255



255, 193, 213



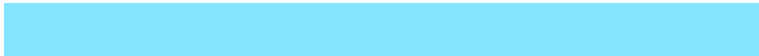
234, 215, 155

Rectangle

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



135, 233, 219



133, 228, 255



255, 193, 213



255, 202, 168

Sweetspot

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



135, 233, 219



222, 255, 250



150, 233, 135



107, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



135, 233, 219



128, 255, 237



135, 199, 233



106, 117, 116



0, 181, 155



0, 54, 46

Inverse Universe

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



233, 135, 149



255, 128, 146



233, 169, 135



117, 106, 107



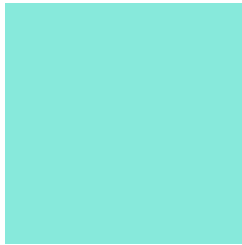
181, 0, 26



54, 0, 8

Previews

White Background



This preview shows how the RGB color 135, 233, 219 looks on a white background.

Color Contrast Check

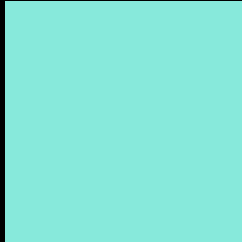
Large Text (above 18pt) WCAG AA × Fail

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 135, 233, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

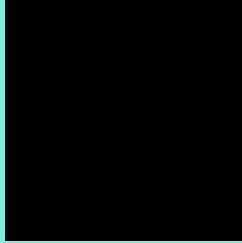
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

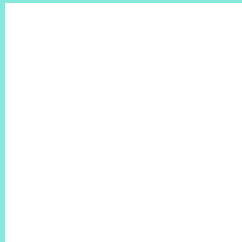
Any Text WCAG AAA ✓ Pass

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

RGB 135, 233, 219 Background



This preview shows how black text looks on a background with the RGB color 135, 233, 219.



This preview shows how white text looks on a background with the RGB color 135, 233, 219.

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





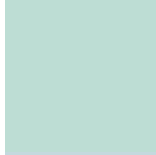
Tritanopia
143, 229, 247

Trichromacy



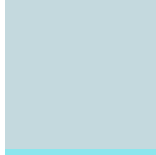
Original Color

135, 233, 219



Protanomaly

189, 221, 212



Deuteranomaly

196, 217, 222



Tritanomaly

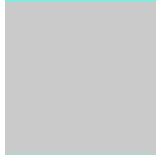
140, 230, 237

Monochromacy



Original Color

135, 233, 219



Achromatopsia

202, 202, 202



Achromatomaly

178, 213, 208

CSS Examples

Text

The CSS property to change the color of the text to RGB 135, 233, 219 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(135, 233, 219)` looks like.

```
.text, #text, p{  
    color:rgb(135, 233, 219)  
}
```

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(135, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 233, 219) }
```

Border

The CSS property to change the border of an element to RGB 135, 233, 219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

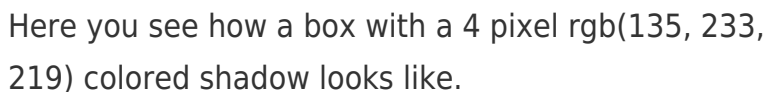
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 233, 219) }
```

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

```
.border{ border-color:rgb(135, 233, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 233, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 233, 219); box-shadow:4px 4px 4px 4px rgb(135, 233, 219) }
```

Background

The CSS property to change the background color of an element to RGB 135, 233, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 233, 219) }
```

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

```
.background{ background-color: rgb(135,  
233, 219) }
```

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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