

Converting Colors

RGB(166, 229, 235)

Have a look what the booklet for
RGB(166, 229, 235) contains.

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Color

RGB(166, 229, 235)

Conversions

Conversions Part 1

Format	Color
Hex	A6E5EB
RGB	166, 229, 235
RGB Percent	65%, 90%, 92%
CMY	0.3490, 0.1020, 0.0784
CMYK	0.29, 0.03, 0.00, 0.08
HSL	185°, 63%, 79%
HSV	185°, 29%, 92%
XYZ	58.7406, 70.1438, 89.0404
YIQ	210.8470, -39.4740, -11.4900

Conversions

Conversions Part 2

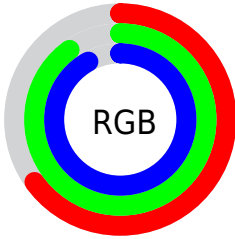
Format	Color
RYB	166, 199, 235
Decimal	10937835
CIELab	87.07, -18.36, -9.33
CIELCh	87, 20.592, 206.927
Yxy	70.1438, 0.2695, 0.3219
Android (android.graphics.Color)	4289127915 (0xFFA6E5EB)
YUV	210.8470, 11.9074, -39.3308
Hunter-Lab	83.7519, -21.3722, -4.4076

Details

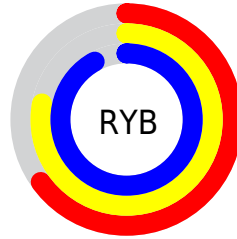
The RGB color **166, 229, 235** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **235, 172, 166**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **223, 255, 255**, and **111, 173, 179** is the 20% darker color. If you saturate the color by 10%, you get **143, 227, 235**, and if you desaturate by 10%, it is **190, 231, 235**.

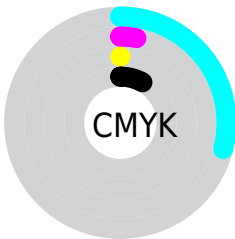
Distribution



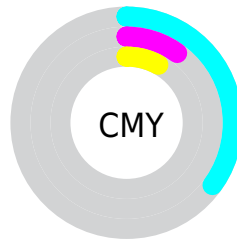
- Red (65%)
- Green (90%)
- Blue (92%)



- Red (65%)
- Yellow (78%)
- Blue (92%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (35%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 166, 229, 235 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 166, 229, 235 by changing the saturation by 10% instead.

 166, 229, 235


255, 255, 255


 223, 255, 255

 252, 255, 255

 166, 229, 235

 138, 201, 207

 111, 173, 179

 85, 147, 153

 58, 121, 127

 30, 96, 102

 0, 72, 78

 0, 49, 55

 0, 29, 33

 0, 0, 10

 166, 229, 235

 166, 229, 235

 143, 227, 235

 190, 231, 235

 119, 225, 235

 213, 233, 235

 96, 223, 235

 237, 235, 235

 72, 221, 235

 255, 237, 235

 49, 219, 235

 255, 239, 235

 25, 217, 235

 255, 241, 235

 2, 215, 235

 255, 243, 235

 0, 215, 235

 255, 245, 235

 255, 247, 235

Harmonies

Analogous

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



174, 229, 215



166, 229, 235



173, 226, 250

Triad

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



166, 229, 235



242, 208, 240



236, 216, 179

Complementary

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



166, 229, 235



235, 172, 166

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.



252, 210, 186



166, 229, 235



255, 205, 221

Square

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



166, 229, 235



219, 214, 253



255, 205, 201



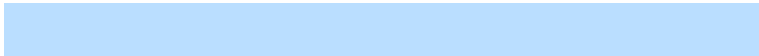
214, 222, 183

Rectangle

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



166, 229, 235



186, 222, 255



255, 205, 201



242, 214, 180

Sweetspot

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



166, 229, 235



232, 253, 255



166, 235, 172



113, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 229, 235



166, 247, 255



166, 195, 235



106, 116, 117



0, 165, 181



0, 49, 54

Inverse Universe

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



235, 166, 229



255, 166, 247



235, 206, 166



117, 106, 116



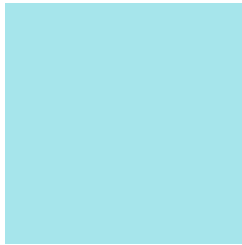
181, 0, 165



54, 0, 49

Previews

White Background



This preview shows how the RGB color 166, 229, 235 looks on a white background.

Color Contrast Check

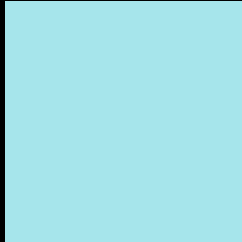
Large Text (above 18pt) WCAG AA × Fail

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 166, 229, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

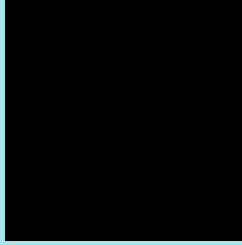
Any Text WCAG AA ✓ Pass

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 166, 229, 235 Background



This preview shows how black text looks on a background with the RGB color 166, 229, 235.

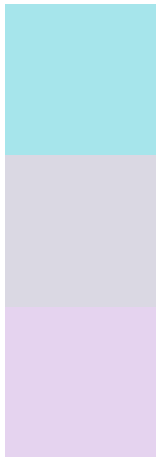


This preview shows how white text looks on a background with the RGB color 166, 229, 235.

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
166, 229, 235

Protanopia
218, 216, 227

Deuteranopia
229, 211, 239



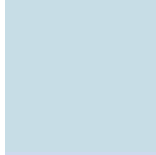
Tritanopia
168, 227, 246

Trichromacy



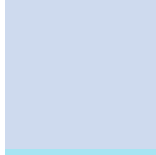
Original Color

166, 229, 235



Protanomaly

199, 221, 230



Deuteranomaly

206, 218, 238



Tritanomaly

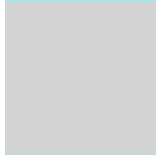
167, 228, 242

Monochromacy



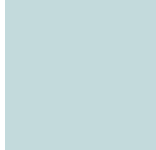
Original Color

166, 229, 235



Achromatopsia

211, 211, 211



Achromatomaly

195, 218, 220

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 229, 235 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(166, 229, 235)` looks like.

```
.text, #text, p{  
    color:rgb(166, 229, 235)  
}
```

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(166, 229, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 229, 235) }
```

Border

The CSS property to change the border of an element to RGB 166, 229, 235 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(166, 229, 235) }
```

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

```
.border{ border-color:rgb(166, 229, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 229, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 229, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 229, 235);  
box-shadow:4px 4px 4px 4px rgb(166, 229,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 166, 229, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 229, 235) }
```

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

```
.background{ background-color: rgb(166,  
229, 235) }
```

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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