

Converting Colors

`RYB(169, 205, 236)`

Have a look what the booklet for
RYB(169, 205, 236) contains.

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Color

R_YB(169, 205, 236)

Conversions

Conversions Part 1

Format	Color
Hex	A9ECE3
RGB	169, 236, 227
RGB Percent	66%, 93%, 89%
CMY	0.3373, 0.0745, 0.1110
CMYK	0.28, 0.00, 0.04, 0.07
HSL	172°, 64%, 79%
HSV	172°, 28%, 93%
XYZ	60.1806, 73.9551, 83.5550
YIQ	214.9410, -37.0430, -17.0030

Conversions

Conversions Part 2

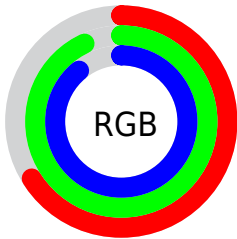
Format	Color
R_{YB}	169, 205, 236
Decimal	11136227
CIE _{Lab}	88.90, -22.81, -2.24
CIE _{LCh}	89, 22.922, 185.611
Yxy	73.9551, 0.2765, 0.3397
Android (android.graphics.Color)	4289326307 (0xFFA9ECE3)
YUV	214.9410, 5.9451, -40.2903
Hunter-Lab	85.9972, -25.5811, 2.5917

Details

The RYB color **169, 205, 236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **236, 169, 178**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **226, 241, 255**, and **115, 150, 180** is the 20% darker color. If you saturate the color by 10%, you get **145, 194, 236**, and if you desaturate by 10%, it is **193, 216, 236**.

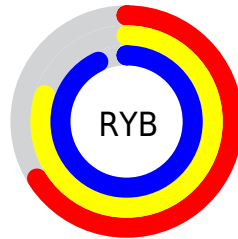
Distribution



Red (66%)

Green (93%)

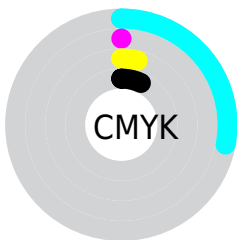
Blue (89%)



Red (66%)

Yellow (80%)

Blue (93%)

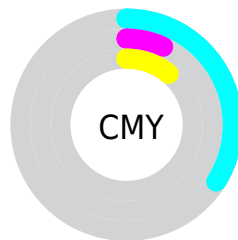


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (34%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 169, 205, 236 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 169, 205, 236 by changing the saturation by 10% instead.

 169, 205, 236


255, 255, 255

 226, 241, 255

 169, 205, 236

 142, 177, 208

 115, 150, 180


 88, 123, 153

 62, 97, 127

 34, 70, 102

 0, 40, 77

 0, 28, 54

 0, 18, 33


 0, 0, 1

 169, 205, 236


 169, 205, 236

 145, 194, 236


 193, 216, 236

 122, 183, 236


 216, 227, 236

 98, 172, 236


 240, 236, 237

 75, 161, 236

 255, 236, 240

 51, 150, 236

 255, 236, 243

 27, 139, 236

 255, 236, 246

 4, 129, 236

 255, 236, 250

 0, 127, 236

 255, 236, 253

 255, 236, 255

Harmonies

Analogous

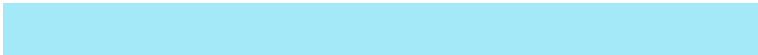
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



187, 221, 234



169, 205, 236



164, 202, 248

Triad

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



169, 205, 236



232, 216, 255



255, 242, 184

Complementary

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



169, 205, 236



236, 169, 178

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, 213, 199



169, 205, 236



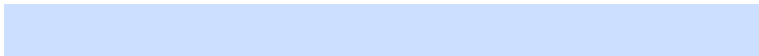
255, 210, 242

Square

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



169, 205, 236



204, 218, 255



255, 208, 220



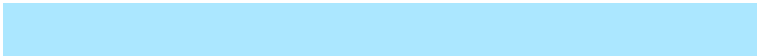
197, 236, 180

Rectangle

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



169, 205, 236



171, 206, 255



255, 208, 220



255, 230, 188

Sweetspot

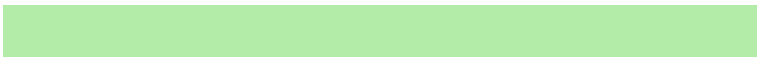
The Sweet Spot groups the original color and five complimentary colors.



169, 205, 236



232, 244, 255



169, 236, 226



113, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



169, 205, 236



168, 215, 255



169, 196, 236



106, 112, 117



0, 97, 181



0, 29, 54

Inverse Universe

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



236, 169, 178



255, 168, 180



236, 204, 169



117, 106, 107



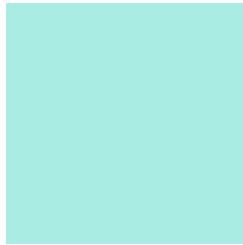
181, 0, 25



54, 0, 7

Previews

White Background



This preview shows how the RYB color 169, 205, 236 looks on a white background.

Color Contrast Check

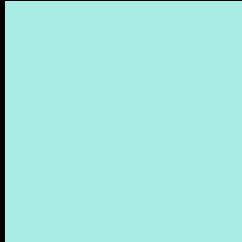
Large Text (above 18pt) WCAG AA × Fail

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 169, 205, 236 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 169, 205, 236 Background



This preview shows how black text looks on a background with the RYB color 169, 205, 236.

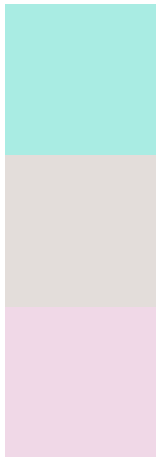


This preview shows how white text looks on a background with the RYB color 169, 205, 236.

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
169, 205, 236

Protanopia
227, 223, 218

Deuteranopia
240, 216, 231



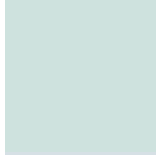
Tritanopia
174, 207, 251

Trichromacy



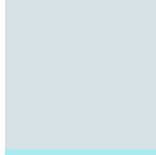
Original Color

169, 205, 236



Protanomaly

206, 217, 226



Deuteranomaly

214, 220, 229



Tritanomaly

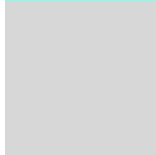
172, 205, 242

Monochromacy



Original Color

169, 205, 236



Achromatopsia

215, 215, 215



Achromatomaly

198, 212, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 205, 236 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(169, 236, 227)` looks like.

```
.text, #text, p{  
    color:rgb(169, 236, 227)  
}
```

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(169, 236, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 236, 227) }
```

Border

The CSS property to change the border of an element to RYB 169, 205, 236 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(169, 236, 227) }
```

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

```
.border{ border-color:rgb(169, 236, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 236, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 236, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 236, 227);  
box-shadow:4px 4px 4px 4px rgb(169, 236,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 169, 205, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 236, 227) }
```

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

```
.background{ background-color: rgb(169,  
236, 227) }
```

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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