

Converting Colors

`RYB(162, 199, 231)`

Have a look what the booklet for RYB(162, 199, 231) contains.

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Color

R_YB(162, 199, 231)

Conversions

Conversions Part 1

Format	Color
Hex	A2E7DE
RGB	162, 231, 222
RGB Percent	64%, 91%, 87%
CMY	0.3647, 0.0941, 0.1307
CMYK	0.30, 0.00, 0.04, 0.09
HSL	172°, 59%, 77%
HSV	172°, 30%, 91%
XYZ	56.6176, 70.0898, 79.4242
YIQ	209.3430, -38.2350, -17.4270

Conversions

Conversions Part 2

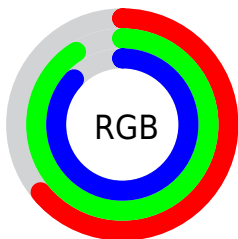
Format	Color
RYB	162, 199, 231
Decimal	10676190
CIELab	87.04, -23.44, -2.38
CIELCh	87, 23.560, 185.798
Yxy	70.0898, 0.2747, 0.3400
Android (android.graphics.Color)	4288866270 (0xFFA2E7DE)
YUV	209.3430, 6.2399, -41.5198
Hunter-Lab	83.7196, -25.7941, 2.3558

Details

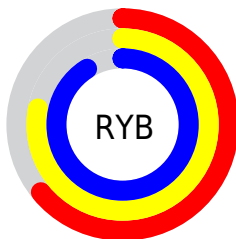
The RYB color **162, 199, 231** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **231, 162, 171**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **219, 237, 255**, and **108, 144, 175** is the 20% darker color. If you saturate the color by 10%, you get **139, 188, 231**, and if you desaturate by 10%, it is **185, 210, 231**.

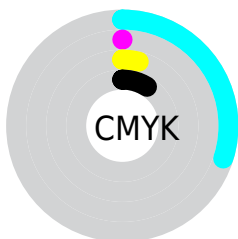
Distribution



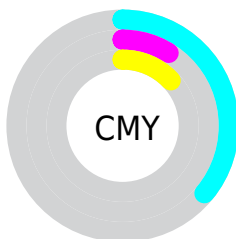
- Red (64%)
- Green (91%)
- Blue (87%)



- Red (64%)
- Yellow (78%)
- Blue (91%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (36%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 199, 231 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 162, 199, 231 by changing the saturation by 10% instead.


 162, 199, 231

255, 255, 255


 219, 237, 255

 248, 252, 255

 162, 199, 231

 135, 171, 203

 108, 144, 175


 81, 117, 148

 54, 90, 122

 25, 63, 97


 0, 38, 73

 0, 26, 50

 0, 17, 31

 0, 0, 0

 162, 199, 231


 162, 199, 231


 139, 188, 231


 185, 210, 231

 116, 178, 231


 208, 220, 231

 93, 167, 231


 231, 231, 231

 70, 156, 231

 254, 231, 234

 47, 146, 231

 255, 231, 237

 23, 135, 231

 255, 231, 240

 0, 124, 231

 255, 231, 244

 255, 231, 247

 255, 231, 250

Harmonies

Analogous

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



181, 216, 229



162, 199, 231



157, 196, 243

Triad

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



162, 199, 231



227, 211, 254



251, 235, 178

Complementary

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



162, 199, 231



231, 162, 171

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, 208, 193



162, 199, 231



251, 205, 237

Square

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



162, 199, 231



198, 213, 255



255, 202, 214



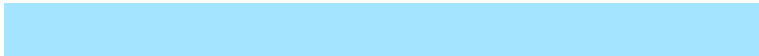
191, 231, 174

Rectangle

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



162, 199, 231



165, 202, 254



255, 202, 214



255, 222, 182

Sweetspot

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



162, 199, 231



232, 244, 255



162, 231, 221



113, 121, 128



0, 0, 0



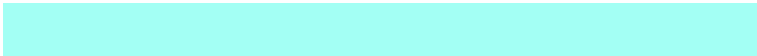
128, 128, 128

Same Dimension

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



162, 199, 231



163, 212, 255



162, 189, 231



103, 110, 115



0, 96, 179



0, 27, 51

Inverse Universe

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



231, 162, 171



255, 163, 176



231, 199, 162



115, 103, 105



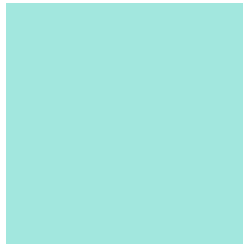
179, 0, 24



51, 0, 7

Previews

White Background



This preview shows how the RYB color 162, 199, 231 looks on a white background.

Color Contrast Check

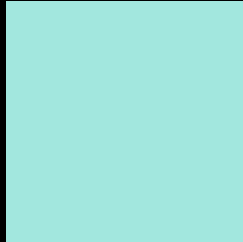
Large Text (above 18pt) WCAG AA × Fail

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 162, 199, 231 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

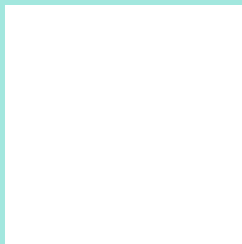
Any Text WCAG AAA ✓ Pass

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

RYB 162, 199, 231 Background



This preview shows how black text looks on a background with the RYB color 162, 199, 231.

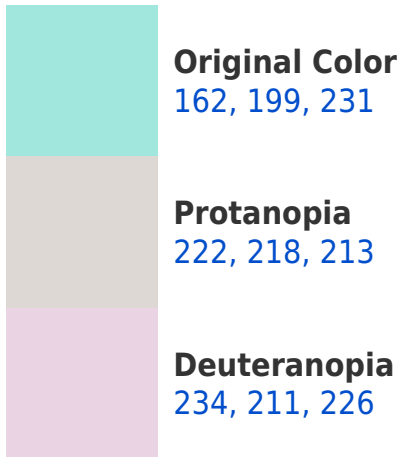


This preview shows how white text looks on a background with the RYB color 162, 199, 231.

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





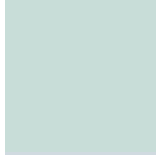
Tritanopia
167, 201, 246

Trichromacy



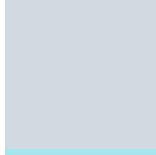
Original Color

162, 199, 231



Protanomaly

200, 212, 221



Deuteranomaly

208, 214, 224



Tritanomaly

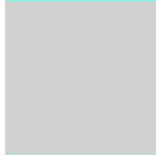
165, 199, 237

Monochromacy



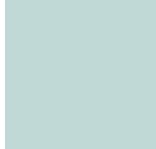
Original Color

162, 199, 231



Achromatopsia

209, 209, 209



Achromatomaly

192, 205, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 199, 231 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(162, 231, 222)` looks like.

```
.text, #text, p{  
    color:rgb(162, 231, 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(162, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 231, 222) }
```

Border

The CSS property to change the border of an element to RYB 162, 199, 231 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(162, 231, 222) }
```

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

```
.border{ border-color:rgb(162, 231, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 231, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(162, 231,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 162, 199, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 231, 222) }
```

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

```
.background{ background-color: rgb(162,  
231, 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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