

Converting Colors

`RYB(163, 209, 229)`

Have a look what the booklet for
RYB(163, 209, 229) contains.

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Color

R_YB(163, 209, 229)

Conversions

Conversions Part 1

Format	Color
Hex	A3E5C0
RGB	163, 229, 192
RGB Percent	64%, 90%, 75%
CMY	0.3608, 0.1020, 0.2483
CMYK	0.29, 0.00, 0.16, 0.10
HSL	146°, 56%, 77%
HSV	146°, 29%, 90%
XYZ	52.6043, 67.6174, 59.9715
YIQ	205.0480, -27.4590, -25.4990

Conversions

Conversions Part 2

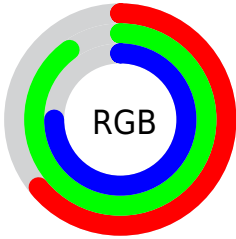
Format	Color
RYB	163, 209, 229
Decimal	10741184
CIELab	85.81, -28.34, 11.60
CIELCh	86, 30.622, 157.740
Yxy	67.6174, 0.2919, 0.3752
Android (android.graphics.Color)	4288931264 (0xFFA3E5C0)
YUV	205.0480, -6.4327, -36.8761
Hunter-Lab	82.2298, -29.7117, 14.3198

Details

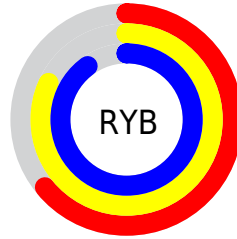
The RYB color **163, 209, 229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **229, 163, 200**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **219, 239, 255**, and **109, 153, 173** is the 20% darker color. If you saturate the color by 10%, you get **140, 202, 229**, and if you desaturate by 10%, it is **186, 216, 229**.

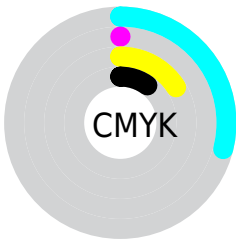
Distribution



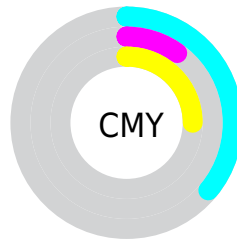
- Red (64%)
- Green (90%)
- Blue (75%)



- Red (64%)
- Yellow (82%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)



- Cyan (36%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 209, 229 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 163, 209, 229 by changing the saturation by 10% instead.

 163, 209, 229


255, 255, 255


 219, 239, 255

 248, 252, 255


 163, 209, 229

 136, 181, 201

 109, 153, 173

 83, 126, 146

 58, 100, 120

 31, 73, 95

 0, 44, 71

 0, 33, 48

 0, 29, 29


 0, 0, 0

 163, 209, 229


 163, 209, 229

 140, 202, 229


 186, 216, 229

 117, 195, 229


 209, 223, 229

 94, 188, 229


 232, 229, 231

 71, 181, 229

 255, 229, 243

 49, 175, 229

 255, 229, 255

 26, 168, 229

 3, 161, 229

 0, 159, 229

Harmonies

Analogous

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



168, 224, 196



163, 209, 229



136, 186, 231

Triad

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



163, 209, 229



189, 208, 255



255, 202, 180

Complementary

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



163, 209, 229



229, 163, 200

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, 193, 208



163, 209, 229



229, 205, 255

Square

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



163, 209, 229



151, 194, 255



255, 196, 237



255, 242, 162

Rectangle

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



163, 209, 229



128, 181, 240



255, 196, 237



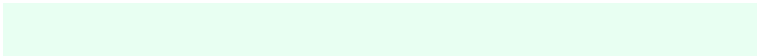
255, 196, 189

Sweetspot

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



163, 209, 229



232, 248, 255



163, 229, 192



113, 123, 128



0, 0, 0



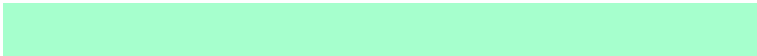
128, 128, 128

Same Dimension

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



163, 209, 229



166, 228, 255



163, 197, 229



103, 111, 115



0, 125, 179



0, 36, 51

Inverse Universe

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



229, 163, 200



255, 166, 216



229, 163, 167



115, 103, 110



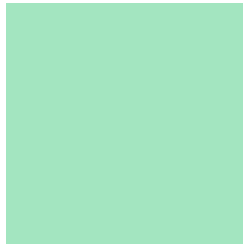
179, 0, 101



51, 0, 29

Previews

White Background



This preview shows how the RYB color 163, 209, 229 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 163, 209, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

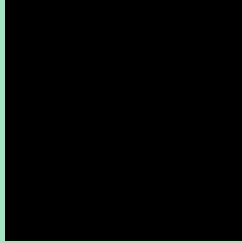
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

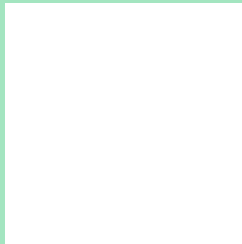
Any Text WCAG AAA ✓ Pass

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

RYB 163, 209, 229 Background



This preview shows how black text looks on a background with the RYB color 163, 209, 229.

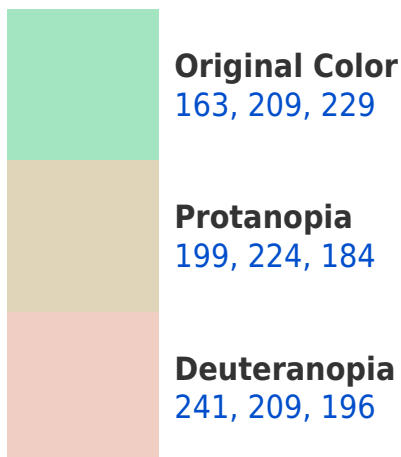


This preview shows how white text looks on a background with the RYB color 163, 209, 229.

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





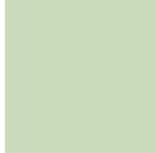
Tritanopia
173, 201, 240

Trichromacy



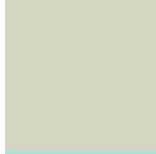
Original Color

163, 209, 229



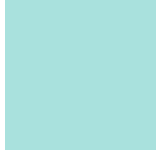
Protanomaly

187, 219, 204



Deuteranomaly

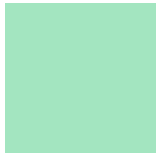
194, 214, 195



Tritanomaly

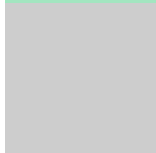
169, 198, 225

Monochromacy



Original Color

163, 209, 229



Achromatopsia

205, 205, 205



Achromatomaly

190, 207, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 209, 229 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(163, 229, 192)` looks like.

```
.text, #text, p{  
    color:rgb(163, 229, 192)  
}
```

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(163, 229, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 229, 192) }
```

Border

The CSS property to change the border of an element to RYB 163, 209, 229 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(163, 229, 192) }
```

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

```
.border{ border-color:rgb(163, 229, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 229, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 229, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 229, 192);  
box-shadow:4px 4px 4px 4px rgb(163, 229,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 163, 209, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 229, 192) }
```

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

```
.background{ background-color: rgb(163,  
229, 192) }
```

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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