

Converting Colors

`RYB(163, 199, 227)`

Have a look what the booklet for RYB(163, 199, 227) contains.

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Color

R_YB(163, 199, 227)

Conversions

Conversions Part 1

Format	Color
Hex	A3E3D5
RGB	163, 227, 213
RGB Percent	64%, 89%, 84%
CMY	0.3608, 0.1098, 0.1656
CMYK	0.28, 0.00, 0.06, 0.11
HSL	167°, 53%, 76%
HSV	167°, 28%, 89%
XYZ	54.5554, 67.5175, 72.9598
YIQ	206.2680, -33.6500, -17.9220

Conversions

Conversions Part 2

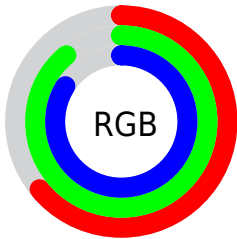
Format	Color
RYB	163, 199, 227
Decimal	10740693
CIELab	85.76, -23.11, 0.44
CIELCh	86, 23.114, 178.902
Yxy	67.5175, 0.2797, 0.3462
Android (android.graphics.Color)	4288930773 (0xFFA3E3D5)
YUV	206.2680, 3.3189, -37.9460
Hunter-Lab	82.1690, -25.2824, 4.8734

Details

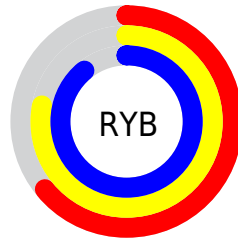
The RYB color **163, 199, 227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **227, 163, 177**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **219, 237, 255**, and **109, 144, 171** is the 20% darker color. If you saturate the color by 10%, you get **140, 189, 227**, and if you desaturate by 10%, it is **186, 209, 227**.

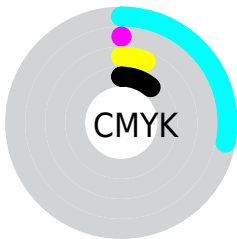
Distribution



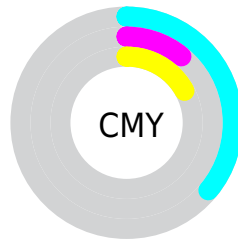
- Red (64%)
- Green (89%)
- Blue (84%)



- Red (64%)
- Yellow (78%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)



- Cyan (36%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 199, 227 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, 199, 227 by changing the saturation by 10% instead.


 163, 199, 227

255, 255, 255


 219, 237, 255

 248, 252, 255

 163, 199, 227


 136, 171, 199

 109, 144, 171


 83, 118, 145

 57, 91, 119

 30, 65, 94


 0, 38, 70


 0, 26, 47

 0, 17, 28


 0, 0, 0

 163, 199, 227


 163, 199, 227

 140, 189, 227


 186, 209, 227

 118, 179, 227


 208, 219, 227

 95, 169, 227


 231, 227, 228

 72, 159, 227


 254, 227, 233

 49, 149, 227

 255, 227, 238

 27, 139, 227

 255, 227, 243

 4, 130, 227

 255, 227, 248

 0, 128, 227

 255, 227, 253

 255, 227, 255

Harmonies

Analogous

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



183, 218, 225



163, 199, 227



155, 193, 235

Triad

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



163, 199, 227



217, 209, 253



250, 224, 178

Complementary

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



163, 199, 227



227, 163, 177

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, 201, 194



163, 199, 227



242, 202, 237

Square

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



163, 199, 227



188, 208, 255



255, 199, 216



199, 232, 171

Rectangle

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



163, 199, 227



159, 196, 247



255, 199, 216



255, 211, 182

Sweetspot

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



163, 199, 227



235, 246, 255



163, 227, 212



115, 122, 128



0, 0, 0



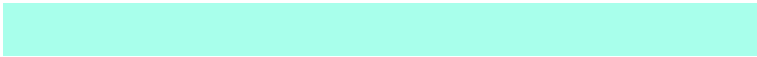
128, 128, 128

Same Dimension

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



163, 199, 227



168, 217, 255



163, 190, 227



103, 110, 115



0, 101, 179



0, 29, 51

Inverse Universe

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



227, 163, 177



255, 168, 188



227, 186, 163



115, 103, 106



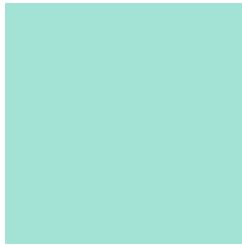
179, 0, 40



51, 0, 11

Previews

White Background



This preview shows how the RYB color 163, 199, 227 looks on a white background.

Color Contrast Check

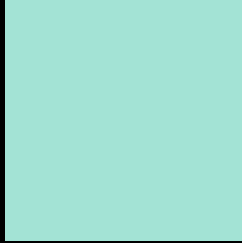
Large Text (above 18pt) WCAG AA × Fail

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, 199, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

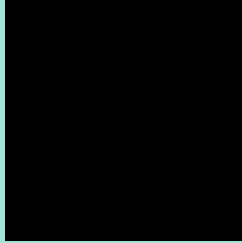
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

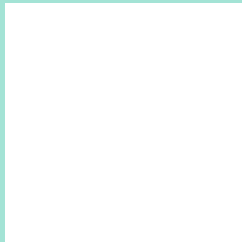
Any Text WCAG AAA ✓ Pass

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

RYB 163, 199, 227 Background



This preview shows how black text looks on a background with the RYB color 163, 199, 227.

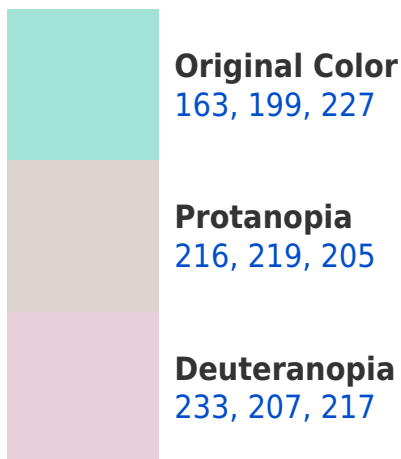


This preview shows how white text looks on a background with the RYB color 163, 199, 227.

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



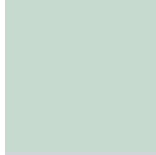


Tritanopia
169, 200, 241

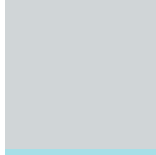
Trichromacy



Original Color
163, 199, 227



Protanomaly
199, 212, 218



Deuteranomaly
208, 211, 215

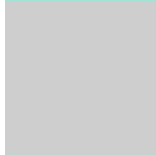


Tritanomaly
167, 197, 231

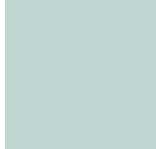
Monochromacy



Original Color
163, 199, 227



Achromatopsia
206, 206, 206



Achromatomaly
190, 204, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 199, 227 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, 227, 213)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 213)  
}
```

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, 227, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 213) }
```

Border

The CSS property to change the border of an element to RYB 163, 199, 227 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, 227, 213) }
```

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

```
.border{ border-color:rgb(163, 227, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 227, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 227, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 227, 213); box-shadow:4px 4px 4px 4px rgb(163, 227, 213) }
```

Background

The CSS property to change the background color of an element to RYB 163, 199, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 213) }
```

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

```
.background{ background-color: rgb(163,  
227, 213) }
```

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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