

Converting Colors

`RYB(170, 199, 225)`

Have a look what the booklet for
RYB(170, 199, 225) contains.

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Color

R_YB(170, 199, 225)

Conversions

Conversions Part 1

Format	Color
Hex	AAE1DB
RGB	170, 225, 219
RGB Percent	67%, 88%, 86%
CMY	0.3333, 0.1176, 0.1400
CMYK	0.24, 0.00, 0.03, 0.12
HSL	174°, 48%, 77%
HSV	174°, 24%, 88%
XYZ	56.3299, 67.5273, 77.2974
YIQ	207.8710, -30.8540, -13.5260

Conversions

Conversions Part 2

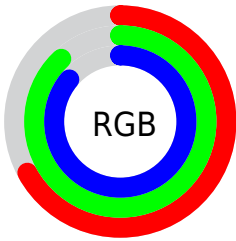
Format	Color
RYB	170, 199, 225
Decimal	11198939
CIELab	85.77, -18.67, -2.95
CIELCh	86, 18.906, 188.978
Yxy	67.5273, 0.2800, 0.3357
Android (android.graphics.Color)	4289389019 (0xFFAAE1DB)
YUV	207.8710, 5.4866, -33.2129
Hunter-Lab	82.1750, -21.4469, 1.7517

Details

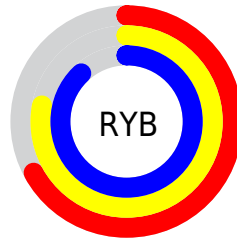
The RYB color **170, 199, 225** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **225, 170, 176**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **226, 241, 255**, and **116, 145, 170** is the 20% darker color. If you saturate the color by 10%, you get **147, 188, 225**, and if you desaturate by 10%, it is **193, 210, 225**.

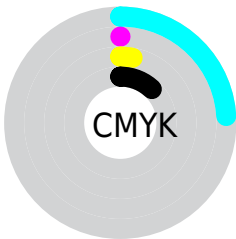
Distribution



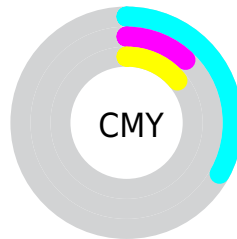
- Red (67%)
- Green (88%)
- Blue (86%)



- Red (67%)
- Yellow (78%)
- Blue (88%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)




- Cyan (33%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the RYB color 170, 199, 225 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 170, 199, 225 by changing the saturation by 10% instead.

 170, 199, 225


255, 255, 255

 226, 241, 255

 170, 199, 225

 143, 172, 197

 116, 145, 170


 90, 118, 143

 65, 92, 117

 40, 67, 92


 10, 41, 69


 0, 24, 46

 0, 15, 27

 0, 0, 0

 170, 199, 225

 170, 199, 225

 147, 188, 225


 193, 210, 225

 125, 178, 225


 215, 220, 225

 103, 167, 225


 238, 225, 226

 80, 156, 225


 255, 225, 229

 57, 145, 225


 255, 225, 231

 35, 135, 225

 255, 225, 233

 13, 125, 225

 255, 225, 236

 0, 119, 225

 255, 225, 238

 255, 225, 240

Harmonies

Analogous

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



183, 211, 224



170, 199, 225



168, 199, 236

Triad

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



170, 199, 225



224, 208, 242



240, 233, 182

Complementary

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



170, 199, 225



225, 170, 176

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.



251, 207, 193



170, 199, 225



243, 204, 228

Square

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



170, 199, 225



202, 212, 249



252, 202, 210



189, 223, 179

Rectangle

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



170, 199, 225



175, 203, 244



252, 202, 210



245, 221, 184

Sweetspot

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



170, 199, 225



237, 247, 255



170, 225, 219



117, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 199, 225



181, 220, 255



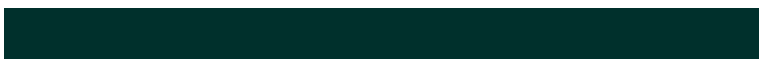
170, 191, 225



101, 107, 112



0, 93, 176



0, 25, 48

Inverse Universe

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



225, 170, 176



255, 181, 189



225, 204, 170



112, 101, 102



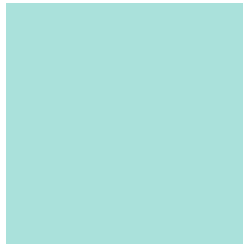
176, 0, 18



48, 0, 5

Previews

White Background



This preview shows how the RYB color 170, 199, 225 looks on a white background.

Color Contrast Check

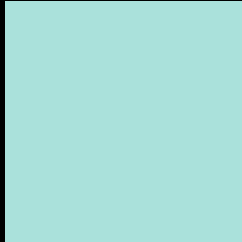
Large Text (above 18pt) WCAG AA × Fail

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 170, 199, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

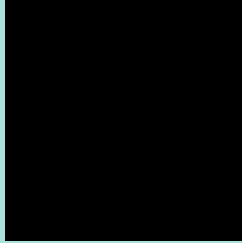
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

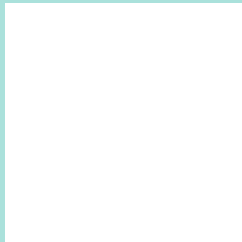
Any Text WCAG AAA ✓ Pass

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

RYB 170, 199, 225 Background



This preview shows how black text looks on a background with the RYB color 170, 199, 225.

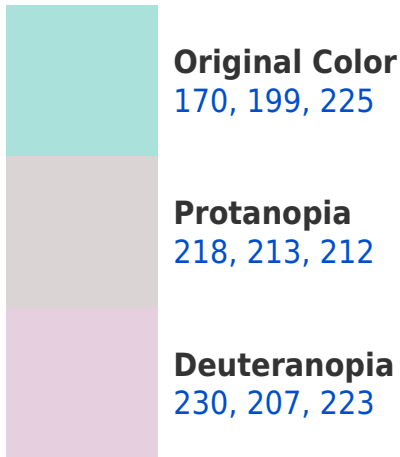


This preview shows how white text looks on a background with the RYB color 170, 199, 225.

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](#).

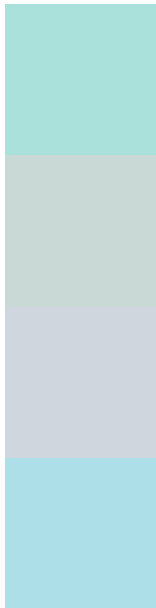
Dichromacy





Tritanopia
174, 202, 240

Trichromacy



Original Color
170, 199, 225

Protanomaly
201, 210, 217

Deuteranomaly
208, 212, 222

Tritanomaly
173, 200, 232

Monochromacy



Original Color
170, 199, 225

Achromatopsia
208, 208, 208

Achromatomaly
194, 205, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 199, 225 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(170, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(170, 225, 219)  
}
```

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(170, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 225, 219) }
```

Border

The CSS property to change the border of an element to RYB 170, 199, 225 is called "border". The border property can be set on classes, ids or directly on the HTML element.

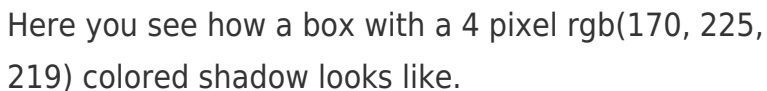
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 225, 219) }
```

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

```
.border{ border-color:rgb(170, 225, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(170, 225,  
219) }
```

Background

The CSS property to change the background color of an element to RYB 170, 199, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 225, 219) }
```

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

```
.background{ background-color: rgb(170,  
225, 219) }
```

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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