

Converting Colors

`RYB(170, 204, 220)`

Have a look what the booklet for
RYB(170, 204, 220) contains.

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Color

R_YB(170, 204, 220)

Conversions

Conversions Part 1

Format	Color
Hex	AADCC2
RGB	170, 220, 194
RGB Percent	67%, 86%, 76%
CMY	0.3333, 0.1373, 0.2411
CMYK	0.23, 0.00, 0.12, 0.14
HSL	148°, 42%, 76%
HSV	148°, 23%, 86%
XYZ	51.8556, 63.6064, 60.3065
YIQ	202.0860, -21.4540, -18.6860

Conversions

Conversions Part 2

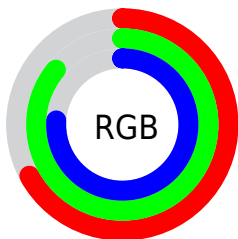
Format	Color
RYB	170, 204, 220
Decimal	11197634
CIELab	83.76, -21.44, 7.75
CIELCh	84, 22.801, 160.120
Yxy	63.6064, 0.2950, 0.3619
Android (android.graphics.Color)	4289387714 (0xFFAADCC2)
YUV	202.0860, -3.9864, -28.1394
Hunter-Lab	79.7536, -23.5086, 10.9948

Details

The RYB color **170, 204, 220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **220, 170, 196**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **226, 242, 255**, and **117, 149, 165** is the 20% darker color. If you saturate the color by 10%, you get **148, 197, 220**, and if you desaturate by 10%, it is **192, 211, 220**.

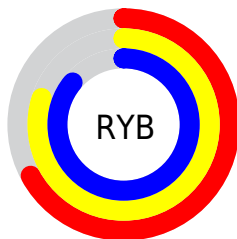
Distribution



Red (67%)

Green (86%)

Blue (76%)



Red (67%)

Yellow (80%)

Blue (86%)

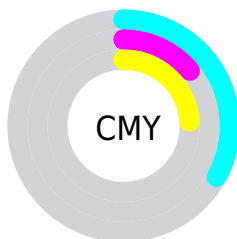


Cyan (23%)

Magenta (0%)

Yellow (12%)

Black (14%)



Cyan (33%)

Magenta (14%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 204, 220 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, 204, 220 by changing the saturation by 10% instead.

■ 170, 204, 220

255, 255, 255

■ 226, 242, 255

■ 170, 204, 220

■ 143, 176, 192

■ 117, 149, 165

■ 91, 123, 138

■ 67, 98, 113

■ 43, 72, 88

■ 18, 47, 64


■ 0, 27, 42

■ 0, 22, 22


■ 0, 0, 0

 170, 204, 220


 170, 204, 220

 148, 197, 220


 192, 211, 220

 126, 190, 220


 214, 218, 220

 104, 183, 220


 236, 220, 228

 82, 176, 220


 255, 220, 240

 60, 169, 220

 255, 220, 252

 38, 162, 220

 255, 220, 255

 16, 155, 220

 0, 149, 220

Harmonies

Analogous

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



176, 216, 198



170, 204, 220



153, 188, 221

Triad

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



170, 204, 220



194, 205, 251



251, 201, 182

Complementary

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



170, 204, 220



220, 170, 196

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.



253, 194, 202



170, 204, 220



222, 201, 242

Square

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



170, 204, 220



167, 197, 249



243, 195, 224



238, 236, 169

Rectangle

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



170, 204, 220



150, 187, 230



243, 195, 224



253, 196, 188

Sweetspot

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



170, 204, 220



237, 249, 255



170, 220, 193



117, 125, 128



0, 0, 0



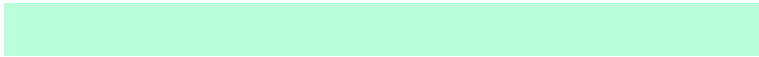
128, 128, 128

Same Dimension

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



170, 204, 220



186, 233, 255



170, 196, 220



99, 107, 110



0, 117, 173



0, 31, 46

Inverse Universe

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



220, 170, 196



255, 186, 223



220, 170, 172



110, 99, 104



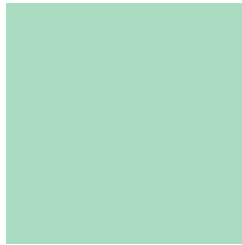
173, 0, 92



46, 0, 24

Previews

White Background



This preview shows how the RYB color 170, 204, 220 looks on a white background.

Color Contrast Check

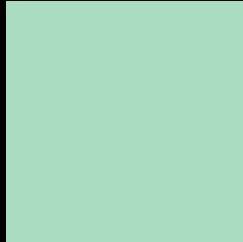
Large Text (above 18pt) WCAG AA × Fail

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, 204, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

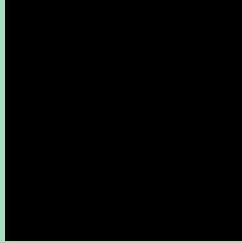
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

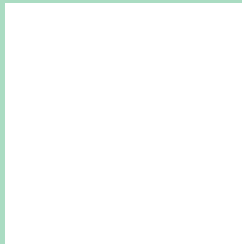
Any Text WCAG AAA ✓ Pass

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

RYB 170, 204, 220 Background



This preview shows how black text looks on a background with the RYB color 170, 204, 220.

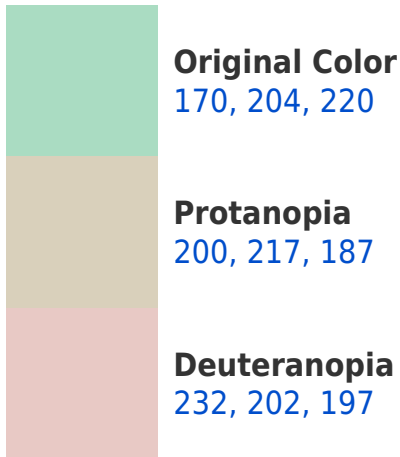


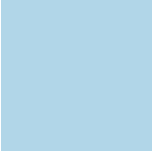
This preview shows how white text looks on a background with the RYB color 170, 204, 220.

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
177, 199, 232

Trichromacy



Original Color
170, 204, 220

Protanomaly
189, 212, 201

Deuteranomaly
197, 209, 196

Tritanomaly
174, 196, 218

Monochromacy



Original Color
170, 204, 220

Achromatopsia
202, 202, 202

Achromatomaly
190, 203, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 204, 220 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, 220, 194)` looks like.

```
.text, #text, p{  
    color:rgb(170, 220, 194)  
}
```

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, 220, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 220, 194) }
```

Border

The CSS property to change the border of an element to RYB 170, 204, 220 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, 220, 194) }
```

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

```
.border{ border-color:rgb(170, 220, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 220, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 220, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 220, 194);  
box-shadow:4px 4px 4px 4px rgb(170, 220,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 170, 204, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 220, 194) }
```

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

```
.background{ background-color: rgb(170,  
220, 194) }
```

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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