

Converting Colors

`RYB(170, 223, 242)`

Have a look what the booklet for
RYB(170, 223, 242) contains.

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Color

R_YB(170, 223, 242)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2C4
RGB	170, 242, 196
RGB Percent	67%, 95%, 77%
CMY	0.3333, 0.0510, 0.2321
CMYK	0.30, 0.00, 0.19, 0.05
HSL	142°, 73%, 81%
HSV	142°, 30%, 95%
XYZ	58.2720, 76.0272, 63.7155
YIQ	215.2280, -28.1460, -29.5700

Conversions

Conversions Part 2

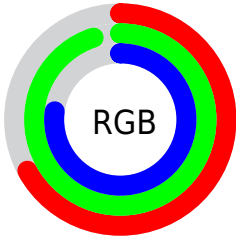
Format	Color
RYB	170, 223, 242
Decimal	11203268
CIELab	89.87, -31.58, 15.25
CIELCh	90, 35.074, 154.224
Yxy	76.0272, 0.2943, 0.3839
Android (android.graphics.Color)	4289393348 (0xFFAAF2C4)
YUV	215.2280, -9.4794, -39.6650
Hunter-Lab	87.1936, -33.2961, 17.7102

Details

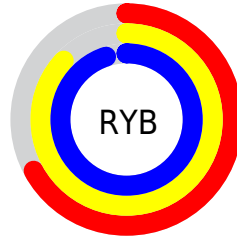
The RYB color **170, 223, 242** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **242, 170, 216**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **227, 242, 255**, and **116, 167, 186** is the 20% darker color. If you saturate the color by 10%, you get **146, 217, 242**, and if you desaturate by 10%, it is **194, 229, 242**.

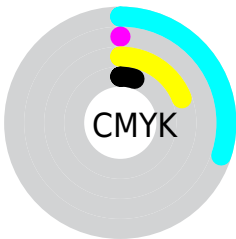
Distribution



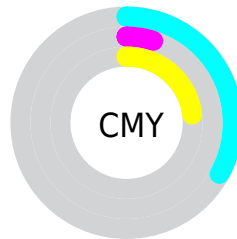
- Red (67%)
- Green (95%)
- Blue (77%)



- Red (67%)
- Yellow (87%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)



- Cyan (33%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 223, 242 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, 223, 242 by changing the saturation by 10% instead.


 170, 223, 242


255, 255, 255


 227, 242, 255

 170, 223, 242

 143, 194, 213

 116, 167, 186


 89, 139, 158

 63, 112, 132

 36, 84, 106

 1, 53, 82

 0, 41, 58

 0, 37, 37

 0, 0, 0

 170, 223, 242

 170, 223, 242

 146, 217, 242


 194, 229, 242

 122, 210, 242


 218, 235, 242


 97, 204, 242

 243, 242, 242

 73, 197, 242

 255, 242, 255

 49, 191, 242

 25, 185, 242

 1, 179, 242

 0, 178, 242

Harmonies

Analogous

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



170, 235, 196



170, 223, 242



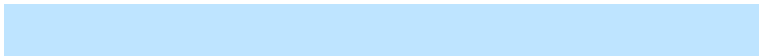
136, 195, 245

Triad

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



170, 223, 242



190, 214, 255



255, 210, 190

Complementary

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



170, 223, 242



242, 170, 216

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, 222



170, 223, 242



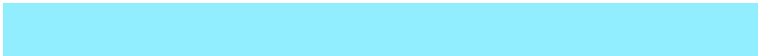
237, 216, 255

Square

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



170, 223, 242



144, 195, 255



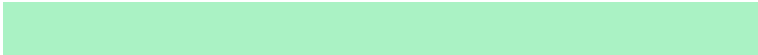
255, 206, 255



244, 255, 167

Rectangle

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



170, 223, 242



122, 185, 252



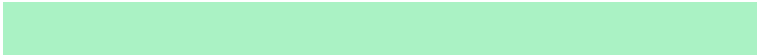
255, 206, 255



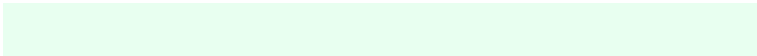
255, 203, 200

Sweetspot

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



170, 223, 242



232, 249, 255



170, 242, 195



113, 124, 128



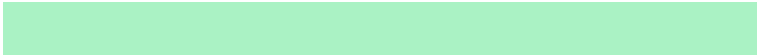
0, 0, 0



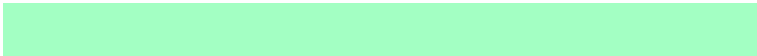
128, 128, 128

Same Dimension

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



170, 223, 242



163, 231, 255



170, 209, 242



108, 117, 120



0, 135, 184



0, 41, 56

Inverse Universe

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



242, 170, 216



255, 163, 222



242, 170, 181



120, 108, 116



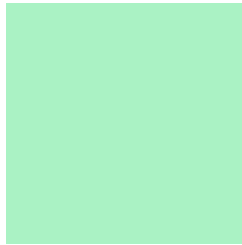
184, 0, 118



56, 0, 36

Previews

White Background



This preview shows how the RYB color 170, 223, 242 looks on a white background.

Color Contrast Check

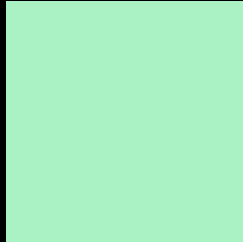
Large Text (above 18pt) WCAG AA × Fail

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, 223, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

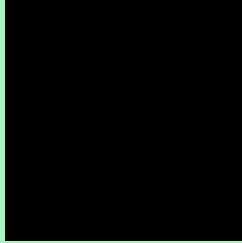
Any Text WCAG AA ✓ Pass

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, 223, 242 Background



This preview shows how black text looks on a background with the RYB color 170, 223, 242.

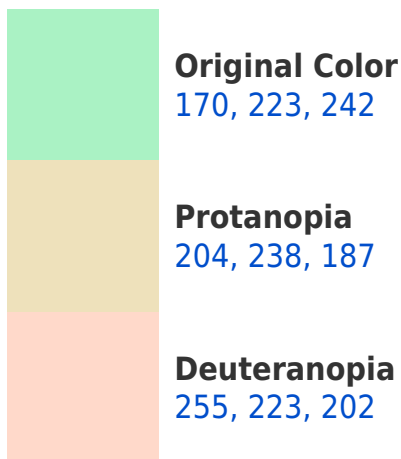


This preview shows how white text looks on a background with the RYB color 170, 223, 242.

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





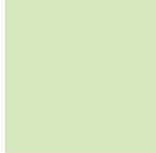
Tritanopia
181, 212, 253

Trichromacy



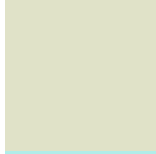
Original Color

170, 223, 242



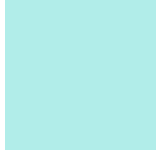
Protanomaly

190, 231, 208



Deuteranomaly

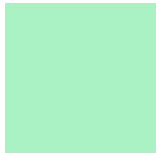
200, 226, 202



Tritanomaly

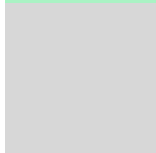
177, 208, 237

Monochromacy



Original Color

170, 223, 242



Achromatopsia

215, 215, 215



Achromatomaly

199, 218, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 223, 242 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, 242, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 196)  
}
```

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, 242, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 196) }
```

Border

The CSS property to change the border of an element to RYB 170, 223, 242 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, 242, 196) }
```

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

```
.border{ border-color:rgb(170, 242, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 242, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 242, 196); box-shadow:4px 4px 4px 4px rgb(170, 242, 196) }
```

Background

The CSS property to change the background color of an element to RYB 170, 223, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 196) }
```

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

```
.background{ background-color: rgb(170,  
242, 196) }
```

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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