

Converting Colors

`RYB(176, 228, 242)`

Have a look what the booklet for
RYB(176, 228, 242) contains.

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Color

R_YB(176, 228, 242)

Conversions

Conversions Part 1

Format	Color
Hex	B0F2C2
RGB	176, 242, 194
RGB Percent	69%, 95%, 76%
CMY	0.3098, 0.0510, 0.2401
CMYK	0.27, 0.00, 0.20, 0.05
HSL	136°, 72%, 82%
HSV	136°, 27%, 95%
XYZ	59.3683, 76.6190, 62.5631
YIQ	216.7940, -23.9280, -28.9200

Conversions

Conversions Part 2

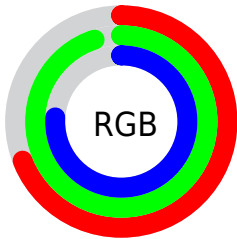
Format	Color
RYB	176, 228, 242
Decimal	11596482
CIELab	90.15, -30.12, 16.74
CIELCh	90, 34.458, 150.935
Yxy	76.6190, 0.2990, 0.3859
Android (android.graphics.Color)	4289786562 (0xFFB0F2C2)
YUV	216.7940, -11.2374, -35.7763
Hunter-Lab	87.5323, -32.1149, 18.8955

Details

The RYB color **176, 228, 242** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **242, 176, 224**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **233, 245, 255**, and **122, 172, 186** is the 20% darker color. If you saturate the color by 10%, you get **152, 223, 242**, and if you desaturate by 10%, it is **200, 233, 242**.

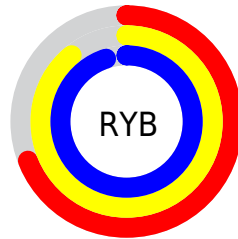
Distribution



Red (69%)

Green (95%)

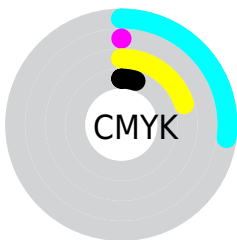
Blue (76%)



Red (69%)

Yellow (89%)

Blue (95%)

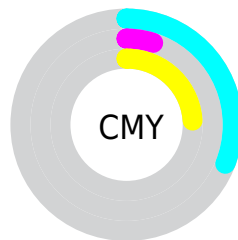


Cyan (27%)

Magenta (0%)

Yellow (20%)

Black (5%)



Cyan (31%)

Magenta (5%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 228, 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 176, 228, 242 by changing the saturation by 10% instead.


 176, 228, 242


255, 255, 255


 233, 245, 255

 176, 228, 242

 149, 199, 213

 122, 172, 186

 96, 144, 158

 70, 117, 132

 44, 90, 106

 15, 62, 82

 0, 42, 58

 0, 37, 37

 0, 1, 1

■ 176, 228, 242

■ 176, 228, 242

■ 152, 223, 242

■ 200, 233, 242

■ 128, 218, 242

■ 224, 238, 242

■ 103, 212, 242

■ 249, 242, 247

■ 79, 207, 242

■ 255, 242, 255

■ 55, 203, 242

■ 31, 197, 242

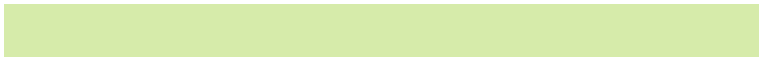
■ 7, 192, 242

■ 0, 191, 242

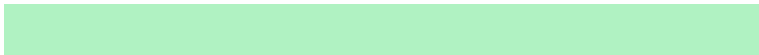
Harmonies

Analogous

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



170, 235, 191



176, 228, 242



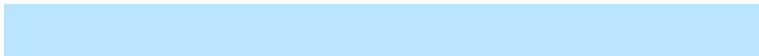
141, 198, 245

Triad

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



176, 228, 242



186, 212, 255



255, 207, 194

Complementary

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



176, 228, 242



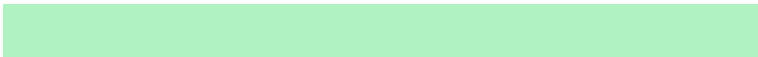
242, 176, 224

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, 203, 227



176, 228, 242



233, 218, 255

Square

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



176, 228, 242



143, 195, 255



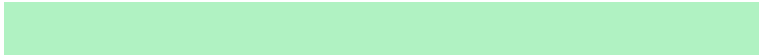
255, 208, 255



249, 255, 170

Rectangle

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



176, 228, 242



127, 187, 249



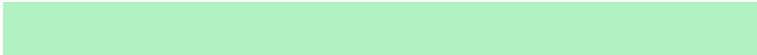
255, 208, 255



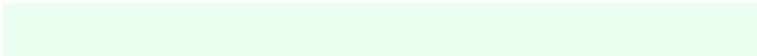
255, 203, 205

Sweetspot

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



176, 228, 242



235, 251, 255



176, 242, 194



115, 126, 128



0, 0, 0



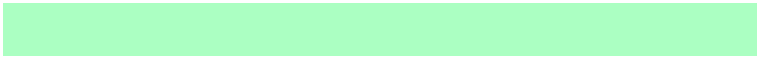
128, 128, 128

Same Dimension

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



176, 228, 242



171, 237, 255



176, 213, 242



108, 118, 120



0, 145, 184



0, 44, 56

Inverse Universe

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



242, 176, 224



255, 171, 232



242, 176, 191



120, 108, 117



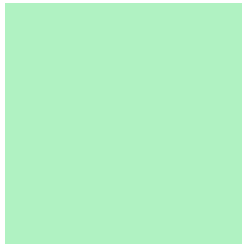
184, 0, 134



56, 0, 41

Previews

White Background



This preview shows how the RYB color 176, 228, 242 looks on a white background.

Color Contrast Check

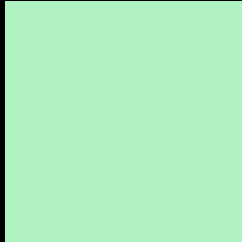
Large Text (above 18pt) WCAG AA × Fail

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 176, 228, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

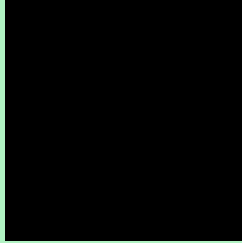
Any Text WCAG AA ✓ Pass

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 176, 228, 242 Background



This preview shows how black text looks on a background with the RYB color 176, 228, 242.

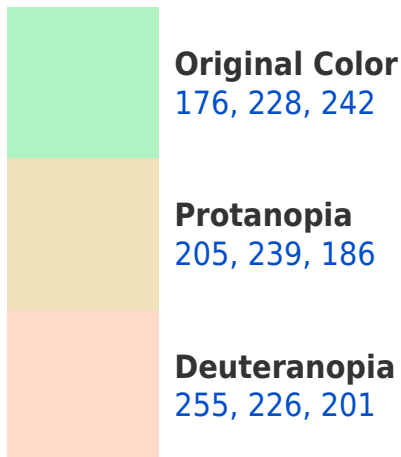


This preview shows how white text looks on a background with the RYB color 176, 228, 242.

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





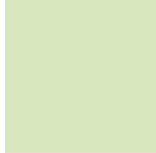
Tritanopia
187, 214, 253

Trichromacy



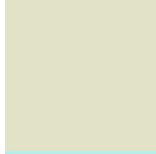
Original Color

176, 228, 242



Protanomaly

189, 231, 204



Deuteranomaly

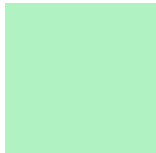
198, 227, 199



Tritanomaly

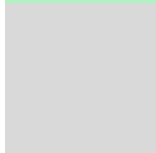
183, 212, 237

Monochromacy



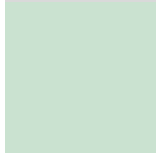
Original Color

176, 228, 242



Achromatopsia

217, 217, 217



Achromatomaly

202, 221, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 228, 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(176, 242, 194)` looks like.

```
.text, #text, p{  
    color:rgb(176, 242, 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(176, 242, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 242, 194) }
```

Border

The CSS property to change the border of an element to RYB 176, 228, 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(176, 242, 194) }
```

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

```
.border{ border-color:rgb(176, 242, 194) }
```

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

Here you see how a box with a 4 pixel rgb(176, 242, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 242, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 242, 194);  
box-shadow:4px 4px 4px 4px rgb(176, 242,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 176, 228, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 242, 194) }
```

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

```
.background{ background-color: rgb(176,  
242, 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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