

Converting Colors

`RYB(176, 220, 240)`

Have a look what the booklet for
RYB(176, 220, 240) contains.

RYB(176, 220, 240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(176, 220, 240)`

Conversions

Conversions Part 1

Format	Color
Hex	B0F0CD
RGB	176, 240, 205
RGB Percent	69%, 94%, 80%
CMY	0.3098, 0.0588, 0.1957
CMYK	0.27, 0.00, 0.15, 0.06
HSL	147°, 68%, 82%
HSV	147°, 27%, 94%
XYZ	60.0950, 75.9625, 69.3100
YIQ	216.8740, -26.9090, -24.4530

Conversions

Conversions Part 2

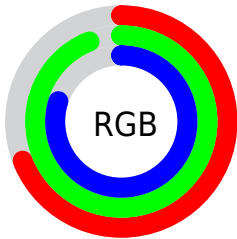
Format	Color
RYB	176, 220, 240
Decimal	11595981
CIELab	89.84, -27.07, 10.44
CIELCh	90, 29.015, 158.909
Yxy	75.9625, 0.2926, 0.3699
Android (android.graphics.Color)	4289786061 (0xFFB0F0CD)
YUV	216.8740, -5.8539, -35.8465
Hunter-Lab	87.1564, -29.4467, 13.8599

Details

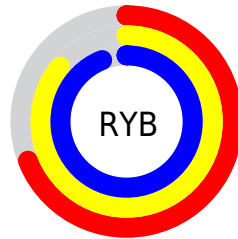
The RYB color **176, 220, 240** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **240, 176, 211**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **233, 244, 255**, and **122, 164, 184** is the 20% darker color. If you saturate the color by 10%, you get **152, 213, 240**, and if you desaturate by 10%, it is **200, 228, 240**.

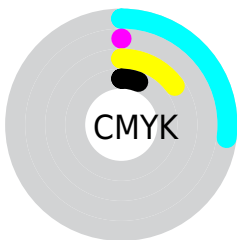
Distribution



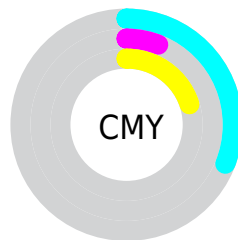
- Red (69%)
- Green (94%)
- Blue (80%)



- Red (69%)
- Yellow (86%)
- Blue (94%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (31%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 220, 240 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, 220, 240 by changing the saturation by 10% instead.


 176, 220, 240


255, 255, 255


 233, 244, 255

 176, 220, 240

 149, 192, 212

 122, 164, 184

 96, 137, 157

 70, 110, 130

 45, 85, 105

 17, 57, 80

 0, 37, 57

 0, 29, 36

 0, 0, 0

 176, 220, 240


 176, 220, 240

 152, 213, 240


 200, 228, 240

 128, 205, 240


 224, 235, 240


 104, 197, 240

 248, 240, 244

 80, 190, 240

 255, 240, 255

 56, 182, 240

 32, 175, 240

 8, 168, 240

 0, 165, 240

Harmonies

Analogous

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



182, 235, 210



176, 220, 240



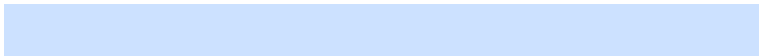
152, 199, 242

Triad

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



176, 220, 240



204, 219, 255



255, 217, 192

Complementary

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



176, 220, 240



240, 176, 211

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, 206, 218



176, 220, 240



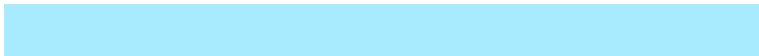
241, 216, 255

Square

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



176, 220, 240



168, 206, 255



255, 208, 247



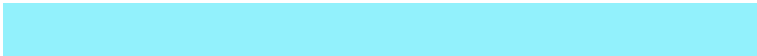
247, 255, 175

Rectangle

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



176, 220, 240



146, 196, 252



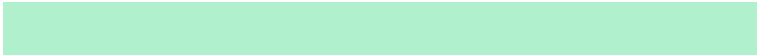
255, 208, 247



255, 209, 200

Sweetspot

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



176, 220, 240



235, 249, 255



176, 240, 205



115, 124, 128



0, 0, 0



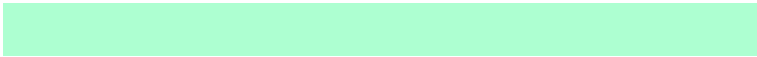
128, 128, 128

Same Dimension

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



176, 220, 240



173, 230, 255



176, 209, 240



108, 116, 120



0, 127, 184



0, 38, 56

Inverse Universe

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



240, 176, 211



255, 173, 218



240, 176, 179



120, 108, 114



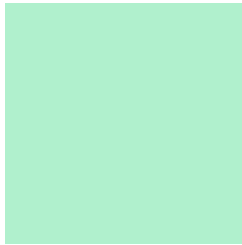
184, 0, 100



56, 0, 31

Previews

White Background



This preview shows how the RYB color 176, 220, 240 looks on a white background.

Color Contrast Check

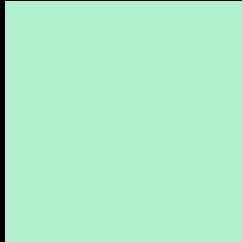
Large Text (above 18pt) WCAG AA × Fail

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, 220, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

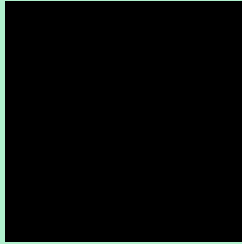
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

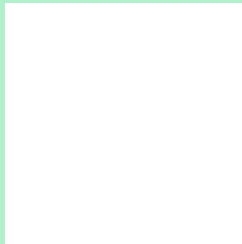
Any Text WCAG AAA ✓ Pass

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

R Y B 176, 220, 240 Background



This preview shows how black text looks on a background with the RYB color 176, 220, 240.




This preview shows how white text looks on a background with the RYB color 176, 220, 240.

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





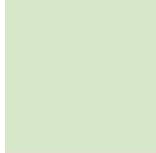
Tritanopia
185, 213, 252

Trichromacy



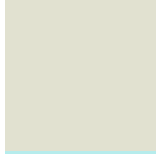
Original Color

176, 220, 240



Protanomaly

200, 230, 216



Deuteranomaly

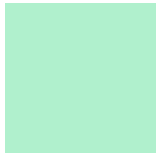
208, 225, 208



Tritanomaly

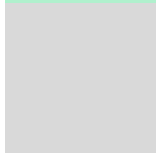
182, 209, 236

Monochromacy



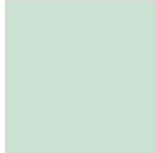
Original Color

176, 220, 240



Achromatopsia

217, 217, 217



Achromatomaly

202, 218, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 220, 240 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, 240, 205)` looks like.

```
.text, #text, p{  
    color:rgb(176, 240, 205)  
}
```

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, 240, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 240, 205) }
```

Border

The CSS property to change the border of an element to RYB 176, 220, 240 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, 240, 205) }
```

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

```
.border{ border-color:rgb(176, 240, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 240, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(176, 240,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 176, 220, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 240, 205) }
```

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

```
.background{ background-color: rgb(176,  
240, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor