

# Converting Colors

`RYB(177, 206, 234)`

Have a look what the booklet for  
RYB(177, 206, 234) contains.

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# Color

**`RYB(177, 206, 234)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1EAE8
RGB	177, 234, 232
RGB Percent	69%, 92%, 91%
CMY	0.3059, 0.0824, 0.0901
CMYK	0.24, 0.00, 0.01, 0.08
HSL	178°, 58%, 81%
HSV	178°, 24%, 92%
XYZ	62.1247, 74.0209, 87.3828
YIQ	216.7290, -33.3300, -12.7060

# Conversions

## Conversions Part 2

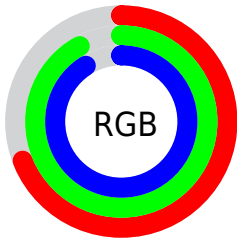
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 206, 234
Decimal	11660008
CIE <sub>Lab</sub>	88.93, -18.37, -4.94
CIE <sub>LCh</sub>	89, 19.025, 195.055
Yxy	74.0209, 0.2779, 0.3311
Android (android.graphics.Color)	4289850088 (0xFFB1EAE8)
YUV	216.7290, 7.5286, -34.8423
Hunter-Lab	86.0354, -21.6702, 0.0063

# Details

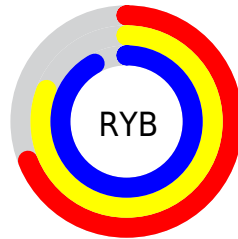
The RYB color **177, 206, 234** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **234, 177, 179**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **234, 245, 255**, and **123, 151, 178** is the 20% darker color. If you saturate the color by 10%, you get **154, 195, 234**, and if you desaturate by 10%, it is **200, 217, 234**.

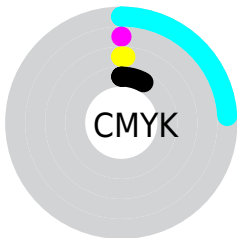
# Distribution



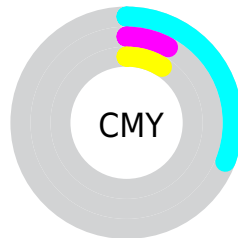
- Red (69%)
- Green (92%)
- Blue (91%)



- Red (69%)
- Yellow (81%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (31%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 177, 206, 234 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 177, 206, 234 by changing the saturation by 10% instead.




 177, 206, 234


255, 255, 255


 234, 245, 255

 177, 206, 234

 150, 179, 206

 123, 151, 178


 97, 124, 151

 71, 98, 125

 45, 73, 100

 17, 47, 76


 0, 27, 53

 0, 16, 32


 0, 0, 8

 177, 206, 234

 177, 206, 234

 154, 195, 234


 200, 217, 234

 130, 183, 234


 224, 229, 234

 107, 172, 234


 247, 234, 234

 83, 160, 234


 255, 234, 235

 60, 149, 234

 255, 234, 236

 37, 137, 234

 255, 234, 237

 13, 126, 234

 255, 234, 238

 0, 119, 234

 255, 234, 239

# Harmonies

## Analogous

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



188, 217, 233



177, 206, 234



178, 208, 248

# Triad

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



177, 206, 234



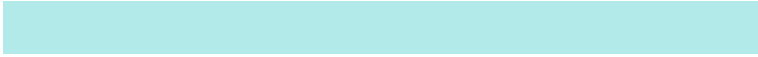
238, 216, 249



240, 246, 189

# Complementary

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



177, 206, 234



234, 177, 179

# 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, 220, 198



177, 206, 234



255, 212, 233

# Square

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



177, 206, 234



215, 221, 255



255, 211, 215



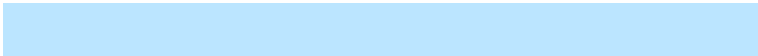
191, 228, 188

# Rectangle

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



177, 206, 234



187, 213, 255



255, 211, 215



251, 237, 191



# Sweetspot

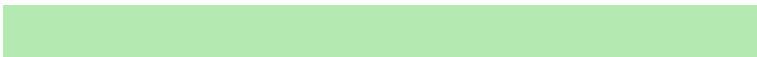
The Sweet Spot groups the original color and five complimentary colors.



177, 206, 234



237, 246, 255



177, 234, 231



117, 123, 128



0, 0, 0



128, 128, 128

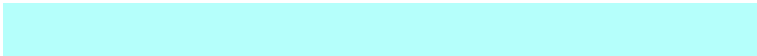


# Same Dimension

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



177, 206, 234



181, 219, 255



177, 197, 234



106, 112, 117



0, 92, 181



0, 28, 54



# Inverse Universe

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



234, 177, 179



255, 181, 184



234, 225, 177



117, 106, 106



181, 0, 6

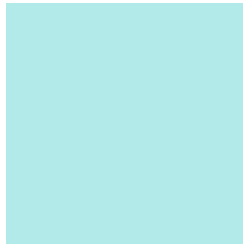


54, 0, 2



# Previews

## White Background



This preview shows how the RYB color 177, 206, 234 looks on a white background.

## Color Contrast Check

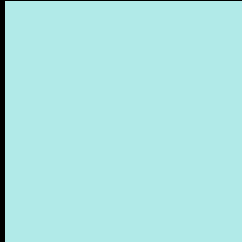
Large Text (above 18pt) WCAG AA × Fail

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 177, 206, 234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

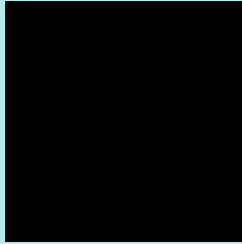
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

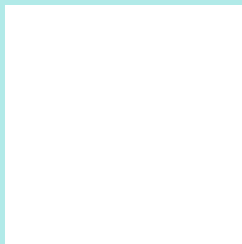
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 177, 206, 234 Background**



This preview shows how black text looks on a background with the RYB color 177, 206, 234.

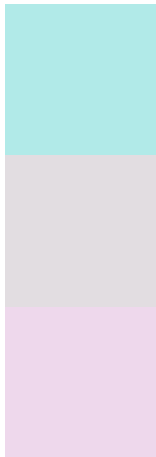


This preview shows how white text looks on a background with the RYB color 177, 206, 234.

# 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



**Original Color**  
177, 206, 234

**Protanopia**  
226, 221, 225

**Deuteranopia**  
238, 216, 236



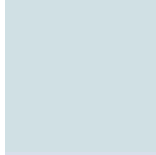
**Tritanopia**  
181, 210, 250

# Trichromacy



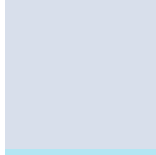
**Original Color**

177, 206, 234



**Protanomaly**

208, 217, 228



**Deuteranomaly**

216, 221, 235



**Tritanomaly**

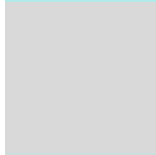
180, 208, 243

# Monochromacy



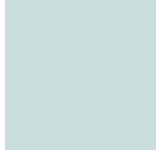
**Original Color**

177, 206, 234



**Achromatopsia**

217, 217, 217



**Achromatomaly**

202, 213, 223

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 177, 206, 234 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(177, 234, 232)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 232)  
}
```

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(177, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 232) }
```

## Border

The CSS property to change the border of an element to RYB 177, 206, 234 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(177, 234, 232) }
```

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

```
.border{ border-color:rgb(177, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
232) }
```

# Background

The CSS property to change the background color of an element to RYB 177, 206, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 234, 232) }
```

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

```
.background{ background-color: rgb(177,  
234, 232) }
```

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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