

Converting Colors

`RYB(178, 218, 209)`

Have a look what the booklet for
RYB(178, 218, 209) contains.

RYB(178, 218, 209)	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

R_YB(178, 218, 209)

Conversions

Conversions Part 1

Format	Color
Hex	BBDAB2
RGB	187, 218, 178
RGB Percent	73%, 85%, 70%
CMY	0.2667, 0.1451, 0.3020
CMYK	0.14, 0.00, 0.18, 0.15
HSL	107°, 35%, 78%
HSV	107°, 18%, 85%
XYZ	53.6008, 63.9220, 51.6326
YIQ	204.1710, -5.6360, -19.0120

Conversions

Conversions Part 2

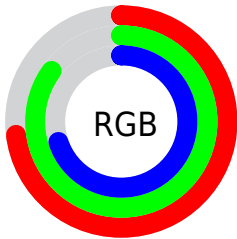
Format	Color
RYB	178, 218, 209
Decimal	12311218
CIELab	83.93, -17.62, 16.32
CIELCh	84, 24.018, 137.187
Yxy	63.9220, 0.3169, 0.3779
Android (android.graphics.Color)	4290501298 (0xFFBBDAB2)
YUV	204.1710, -12.9023, -15.0590
Hunter-Lab	79.9512, -20.2448, 17.6763

Details

The RYB color **178, 218, 209** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **209, 178, 218**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **234, 255, 246**, and **125, 163, 155** is the 20% darker color. If you saturate the color by 10%, you get **156, 218, 204**, and if you desaturate by 10%, it is **200, 218, 214**.

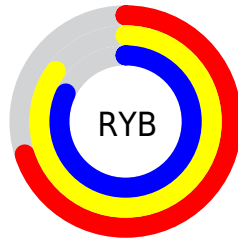
Distribution



Red (73%)

Green (85%)

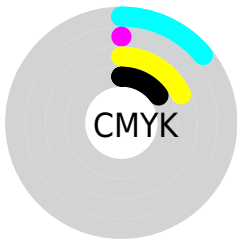
Blue (70%)



Red (70%)

Yellow (85%)

Blue (82%)

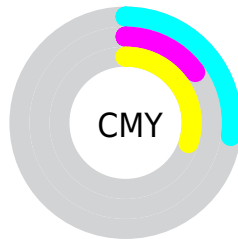


Cyan (14%)

Magenta (0%)

Yellow (18%)

Black (15%)



Cyan (27%)

Magenta (15%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 218, 209 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 178, 218, 209 by changing the saturation by 10% instead.

■ 178, 218, 209

255, 255, 255

■ 234, 255, 246

■ 178, 218, 209

■ 151, 190, 181

■ 125, 163, 155

■ 100, 137, 129

■ 76, 111, 104

■ 53, 87, 80

■ 32, 63, 58

■ 9, 41, 35


■ 0, 22, 22

■ 0, 0, 0

 178, 218, 209

 178, 218, 209

 156, 218, 204

 200, 218, 214

 134, 218, 199

 221, 218, 222

 113, 218, 195

 238, 218, 243

 91, 218, 190


 255, 218, 255

 69, 218, 184

 47, 218, 179

 25, 218, 174

 4, 218, 170

 0, 218, 169

Harmonies

Analogous

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



167, 213, 166



178, 218, 209



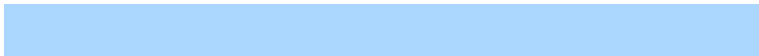
163, 200, 222

Triad

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



178, 218, 209



171, 199, 253



255, 194, 197

Complementary

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



178, 218, 209



209, 178, 218

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.



249, 194, 220



178, 218, 209



200, 206, 252

Square

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



178, 218, 209



150, 190, 242



229, 199, 240



251, 206, 177

Rectangle

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



178, 218, 209



151, 189, 222



229, 199, 240



255, 193, 205

Sweetspot

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



178, 218, 209



240, 255, 252



190, 218, 178



119, 128, 126



0, 0, 0



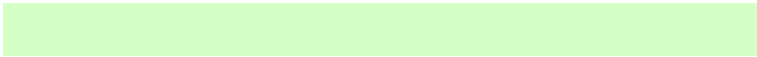
128, 128, 128

Same Dimension

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



178, 218, 209



199, 255, 242



178, 209, 218



99, 110, 108



0, 173, 134



0, 46, 36

Inverse Universe

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



209, 178, 218



242, 199, 255



218, 178, 207



107, 99, 110



134, 0, 173



36, 0, 46

Previews

White Background



This preview shows how the RYB color 178, 218, 209 looks on a white background.

Color Contrast Check

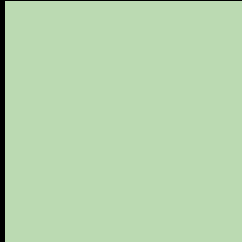
Large Text (above 18pt) WCAG AA × Fail

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 178, 218, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

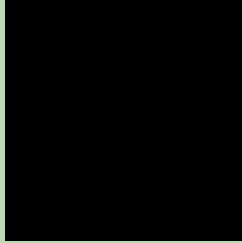
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

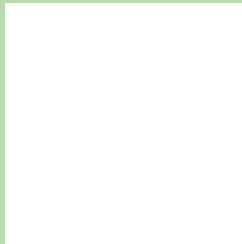
Any Text WCAG AAA ✓ Pass

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

RYP 178, 218, 209 Background



This preview shows how black text looks on a background with the RYB color 178, 218, 209.

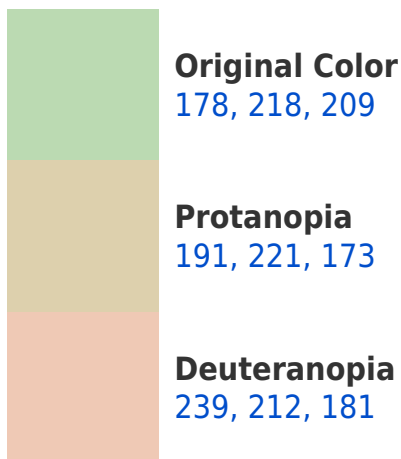


This preview shows how white text looks on a background with the RYB color 178, 218, 209.

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](#).

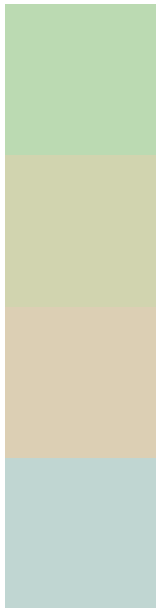
Dichromacy





Tritanopia
195, 206, 228

Trichromacy



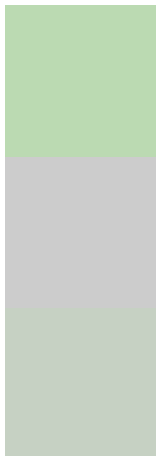
Original Color
178, 218, 209

Protanomaly
175, 212, 178

Deuteranomaly
199, 220, 180

Tritanomaly
192, 204, 214

Monochromacy



Original Color
178, 218, 209

Achromatopsia
204, 204, 204

Achromatomaly
195, 209, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 218, 209 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(187, 218, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 218, 178)  
}
```

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(187, 218, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 218, 178) }
```

Border

The CSS property to change the border of an element to RYB 178, 218, 209 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(187, 218, 178) }
```

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

```
.border{ border-color:rgb(187, 218, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 218, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 218, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 218, 178);  
box-shadow:4px 4px 4px 4px rgb(187, 218,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 178, 218, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 218, 178) }
```

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

```
.background{ background-color: rgb(187,  
218, 178) }
```

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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