

Converting Colors

`RYB(172, 217, 198)`

Have a look what the booklet for
RYB(172, 217, 198) contains.

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Color

R_YB(172, 217, 198)

Conversions

Conversions Part 1

Format	Color
Hex	BFD9AC
RGB	191, 217, 172
RGB Percent	75%, 85%, 67%
CMY	0.2510, 0.1490, 0.3255
CMYK	0.12, 0.00, 0.21, 0.15
HSL	95°, 37%, 76%
HSV	95°, 21%, 85%
XYZ	53.7451, 63.6806, 48.4886
YIQ	204.0960, -1.0510, -19.5070

Conversions

Conversions Part 2

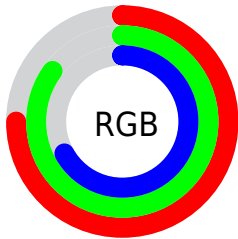
Format	Color
RYB	172, 217, 198
Decimal	12573100
CIELab	83.80, -16.71, 19.34
CIELCh	84, 25.555, 130.823
Yxy	63.6806, 0.3239, 0.3838
Android (android.graphics.Color)	4290763180 (0xFFBFD9AC)
YUV	204.0960, -15.8233, -11.4852
Hunter-Lab	79.8001, -19.4312, 19.8340

Details

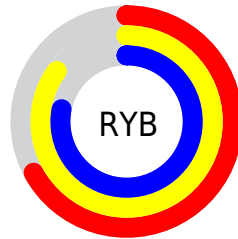
The RYB color **172, 217, 198** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **198, 172, 217**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **228, 255, 235**, and **120, 162, 145** is the 20% darker color. If you saturate the color by 10%, you get **150, 217, 189**, and if you desaturate by 10%, it is **194, 217, 207**.

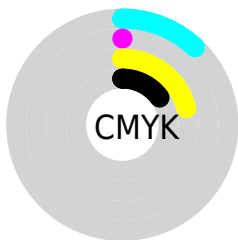
Distribution



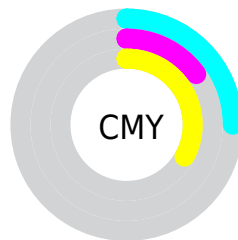
- Red (75%)
- Green (85%)
- Blue (67%)



- Red (67%)
- Yellow (85%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (25%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 217, 198 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 172, 217, 198 by changing the saturation by 10% instead.

■ 172, 217, 198

255, 255, 255

■ 228, 255, 235

■ 172, 217, 198

■ 145, 189, 170

■ 120, 162, 145

■ 95, 136, 119

■ 71, 110, 94

■ 48, 86, 71

■ 26, 63, 49

■ 1, 40, 21

■ 0, 22, 22

■ 0, 0, 0

 172, 217, 198

 172, 217, 198

 150, 217, 189

 194, 217, 207


 129, 217, 180

 215, 217, 216

 107, 217, 171

 229, 217, 237

 85, 217, 161

 241, 217, 255


 64, 217, 153

 254, 217, 255

 42, 217, 143

 255, 217, 255

 20, 217, 134

 0, 217, 125

Harmonies

Analogous

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



171, 218, 162



172, 217, 198



164, 202, 221

Triad

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



172, 217, 198



161, 196, 254



255, 192, 201

Complementary

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



172, 217, 198



198, 172, 217

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.



247, 194, 225



172, 217, 198



192, 205, 255

Square

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



172, 217, 198



143, 186, 239



224, 200, 245



255, 199, 179

Rectangle

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



172, 217, 198



150, 190, 223



224, 200, 245



255, 192, 209

Sweetspot

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



172, 217, 198



240, 255, 249



205, 217, 172



119, 128, 125



0, 0, 0



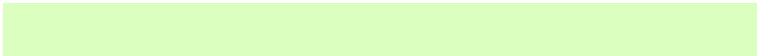
128, 128, 128

Same Dimension

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



172, 217, 198



191, 255, 228



172, 214, 217



99, 110, 106



0, 173, 100



0, 46, 27

Inverse Universe

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



198, 172, 217



228, 191, 255



217, 172, 214



105, 99, 110



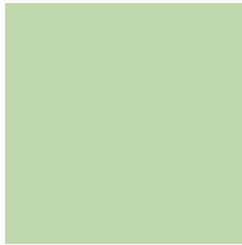
100, 0, 173



27, 0, 46

Previews

White Background



This preview shows how the RYB color 172, 217, 198 looks on a white background.

Color Contrast Check

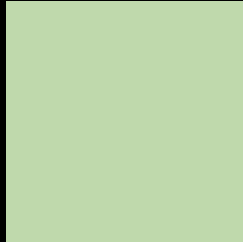
Large Text (above 18pt) WCAG AA × Fail

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 172, 217, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

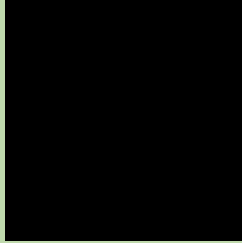
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

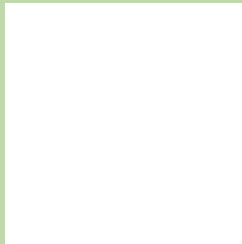
Any Text WCAG AAA ✓ Pass

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

RYB 172, 217, 198 Background



This preview shows how black text looks on a background with the RYB color 172, 217, 198.

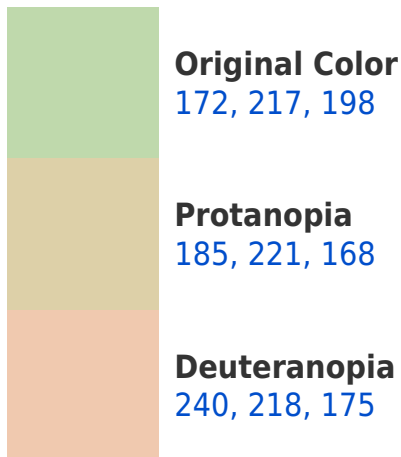


This preview shows how white text looks on a background with the RYB color 172, 217, 198.

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](#).

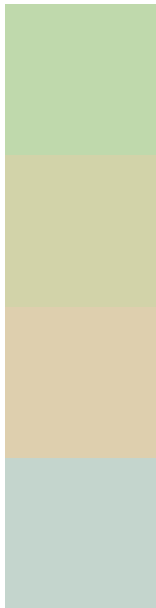
Dichromacy





Tritanopia
199, 207, 226

Trichromacy



Original Color
172, 217, 198

Protanomaly
169, 211, 170

Deuteranomaly
196, 222, 174

Tritanomaly
196, 207, 213

Monochromacy



Original Color
172, 217, 198

Achromatopsia
204, 204, 204

Achromatomaly
192, 209, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 217, 198 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(191, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(191, 217, 172)  
}
```

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(191, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 217, 172) }
```

Border

The CSS property to change the border of an element to RYB 172, 217, 198 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(191, 217, 172) }
```

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

```
.border{ border-color:rgb(191, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 217, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 217, 172); box-shadow:4px 4px 4px 4px rgb(191, 217, 172) }
```

Background

The CSS property to change the background color of an element to RYB 172, 217, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 217, 172) }
```

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

```
.background{ background-color: rgb(191,  
217, 172) }
```

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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