

# Converting Colors

`RYB(188, 228, 199)`

Have a look what the booklet for  
RYB(188, 228, 199) contains.

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# Color

**R<sub>Y</sub>B(188, 228, 199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E4BC
RGB	217, 228, 188
RGB Percent	85%, 89%, 74%
CMY	0.1490, 0.1059, 0.2627
CMYK	0.05, 0.00, 0.18, 0.11
HSL	77°, 43%, 82%
HSV	77°, 18%, 89%
XYZ	65.4358, 73.8694, 58.3863
YIQ	220.1510, 6.2840, -14.7720

# Conversions

## Conversions Part 2

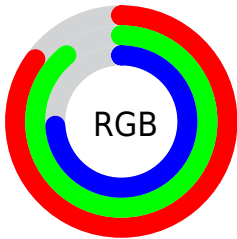
Format	Color
R <sub>Y</sub> B	188, 228, 199
Decimal	14279868
CIE Lab	88.86, -10.49, 18.31
CIE LCh	89, 21.100, 119.804
Yxy	73.8694, 0.3310, 0.3737
Android (android.graphics.Color)	4292469948 (0xFFD9E4BC)
YUV	220.1510, -15.8504, -2.7634
Hunter-Lab	85.9473, -14.5072, 19.8858

# Details

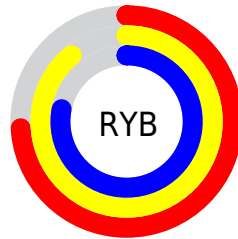
The RYB color **188, 228, 199** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **199, 188, 228**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **244, 255, 244**, and **135, 173, 146** is the 20% darker color. If you saturate the color by 10%, you get **165, 228, 182**, and if you desaturate by 10%, it is **211, 228, 216**.

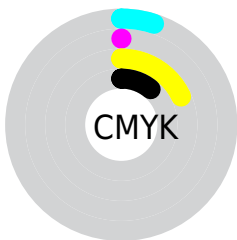
# Distribution



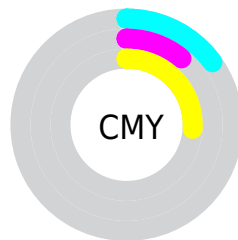
- Red (85%)
- Green (89%)
- Blue (74%)



- Red (74%)
- Yellow (89%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 188, 228, 199 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 188, 228, 199 by changing the saturation by 10% instead.




 188, 228, 199

255, 255, 255

 244, 255, 244


 188, 228, 199

 161, 200, 172

 135, 173, 146


 109, 146, 119

 85, 120, 95

 61, 96, 72

 39, 72, 49

 18, 49, 28


 0, 28, 8

 0, 0, 0

 188, 228, 199

 188, 228, 199

 165, 228, 182

 211, 228, 216

 142, 228, 166

 230, 228, 234

 120, 228, 150

 236, 228, 255

 97, 228, 133

 242, 228, 255

 74, 228, 116

 248, 228, 255

 51, 228, 100

 255, 228, 255

 28, 228, 83

 6, 228, 67

 0, 228, 63

# Harmonies

## Analogous

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



207, 239, 183



188, 228, 199



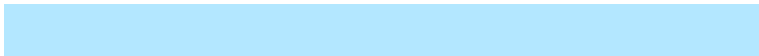
194, 226, 233

# Triad

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



188, 228, 199



179, 210, 255



255, 209, 224

# Complementary

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



188, 228, 199



199, 188, 228

# Split Complementary

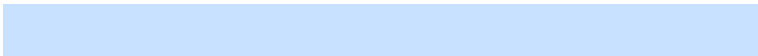
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



249, 212, 244



188, 228, 199



200, 217, 255

# Square

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



188, 228, 199



169, 203, 242



227, 218, 255



255, 211, 204

# Rectangle

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



188, 228, 199



181, 213, 234



227, 218, 255



255, 210, 231



# Sweetspot

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



188, 228, 199



242, 255, 246



228, 203, 188



120, 128, 123



0, 0, 0



128, 128, 128

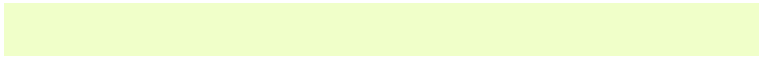


# Same Dimension

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



188, 228, 199



201, 255, 216



188, 228, 219



103, 115, 106



0, 179, 50



0, 51, 14



# Inverse Universe

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



199, 188, 228



216, 201, 255



219, 188, 228



106, 103, 115



49, 0, 179

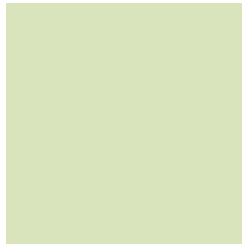


14, 0, 51



# Previews

## White Background



This preview shows how the RYB color 188, 228, 199 looks on a white background.

## Color Contrast Check

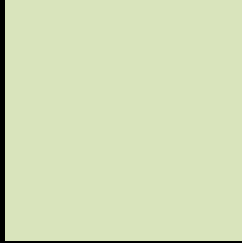
Large Text (above 18pt) WCAG AA × Fail

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 188, 228, 199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

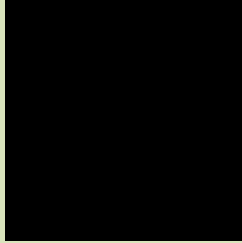
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

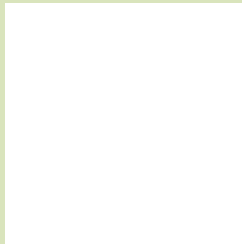
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 188, 228, 199 Background



This preview shows how black text looks on a background with the RYB color 188, 228, 199.

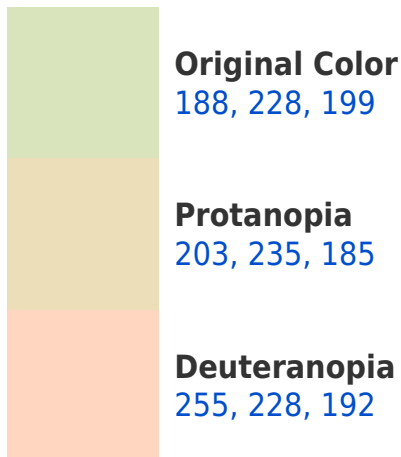


This preview shows how white text looks on a background with the RYB color 188, 228, 199.

# 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

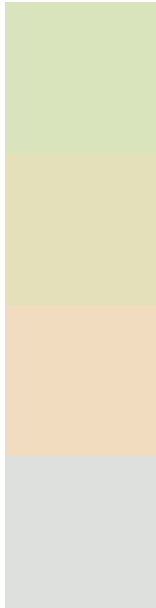




# Tritanopia

224, 221, 238

# Trichromacy



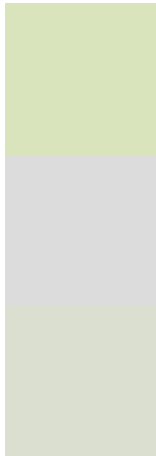
**Original Color**  
188, 228, 199

**Protanomaly**  
190, 228, 186

**Deuteranomaly**  
227, 241, 191

**Tritanomaly**  
220, 224, 223

# Monochromacy



**Original Color**  
188, 228, 199

**Achromatopsia**  
220, 220, 220

**Achromatomaly**  
208, 223, 212

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 188, 228, 199 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(217, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(217, 228, 188)  
}
```

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(217, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 228, 188) }
```

## Border

The CSS property to change the border of an element to RYB 188, 228, 199 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(217, 228, 188) }
```

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

```
.border{ border-color:rgb(217, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 228, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 228, 188);  
box-shadow:4px 4px 4px 4px rgb(217, 228,  
188) }
```

# Background

The CSS property to change the background color of an element to RYB 188, 228, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 228, 188) }
```

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

```
.background{ background-color: rgb(217,  
228, 188) }
```

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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