

Converting Colors

`RYB(166, 199, 198)`

Have a look what the booklet for
RYB(166, 199, 198) contains.

RYB(166, 199, 198)	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(166, 199, 198)

Conversions

Conversions Part 1

Format	Color
Hex	A7C7A6
RGB	167, 199, 166
RGB Percent	65%, 78%, 65%
CMY	0.3451, 0.2196, 0.3490
CMYK	0.16, 0.00, 0.17, 0.22
HSL	118°, 23%, 72%
HSV	118°, 17%, 78%
XYZ	43.2427, 51.8155, 43.7987
YIQ	185.6700, -8.4790, -17.0470

Conversions

Conversions Part 2

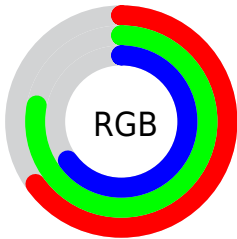
Format	Color
RYB	166, 199, 198
Decimal	10995622
CIELab	77.17, -17.04, 13.00
CIELCh	77, 21.432, 142.656
Yxy	51.8155, 0.3114, 0.3732
Android (android.graphics.Color)	4289185702 (0xFFA7C7A6)
YUV	185.6700, -9.6973, -16.3736
Hunter-Lab	71.9830, -18.7390, 14.3126

Details

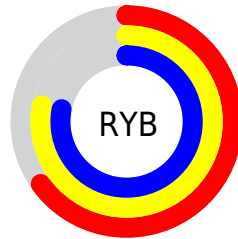
The RYB color **166, 199, 198** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **198, 166, 199**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **221, 255, 254**, and **114, 145, 144** is the 20% darker color. If you saturate the color by 10%, you get **146, 199, 197**, and if you desaturate by 10%, it is **186, 199, 199**.

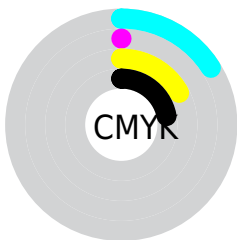
Distribution



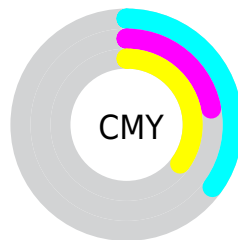
- Red (65%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (78%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 199, 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 166, 199, 198 by changing the saturation by 10% instead.


 166, 199, 198


255, 255, 255


 221, 255, 254

 250, 255, 254

 166, 199, 198


 140, 172, 172

 114, 145, 144

 89, 119, 118

 66, 94, 94

 43, 70, 71

 21, 46, 48

 0, 28, 28

 0, 0, 0

 166, 199, 198

 166, 199, 198

■ 146, 199, 197

■ 186, 199, 199

■ 126, 199, 197

■ 206, 199, 206

■ 106, 199, 196

■ 225, 199, 226

■ 86, 199, 195

■ 244, 199, 246

■ 67, 199, 195

■ 255, 199, 255

■ 47, 199, 195

■ 27, 199, 194

■ 7, 199, 193

■ 0, 199, 193

Harmonies

Analogous

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



154, 194, 158



166, 199, 198



147, 180, 202

Triad

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



166, 199, 198



161, 183, 229



232, 177, 176

Complementary

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



166, 199, 198



198, 166, 199

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.



227, 177, 196



166, 199, 198



188, 187, 227

Square

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



166, 199, 198



142, 175, 221



212, 181, 215



226, 191, 160

Rectangle

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



166, 199, 198



139, 172, 202



212, 181, 215



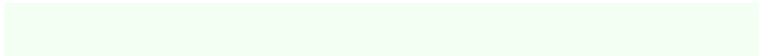
232, 177, 183

Sweetspot

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



166, 199, 198



242, 255, 254



167, 199, 166



120, 128, 128



0, 0, 0



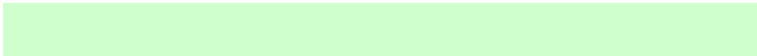
128, 128, 128

Same Dimension

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



166, 199, 198



204, 255, 253



166, 189, 199



90, 99, 99



0, 163, 158



0, 36, 35

Inverse Universe

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



198, 166, 199



253, 204, 255



199, 166, 184



99, 90, 99



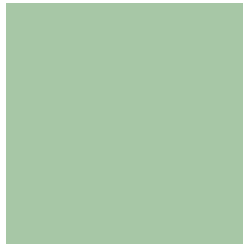
158, 0, 163



35, 0, 36

Previews

White Background



This preview shows how the RYB color 166, 199, 198 looks on a white background.

Color Contrast Check

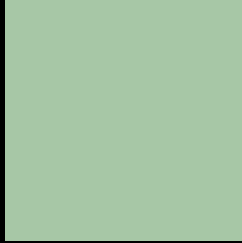
Large Text (above 18pt) WCAG AA × Fail

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 166, 199, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

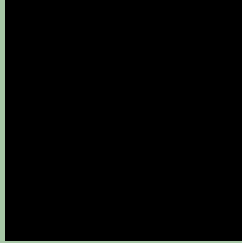
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

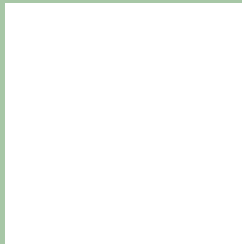
Any Text WCAG AAA ✓ Pass

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

RYB 166, 199, 198 Background



This preview shows how black text looks on a background with the RYB color 166, 199, 198.

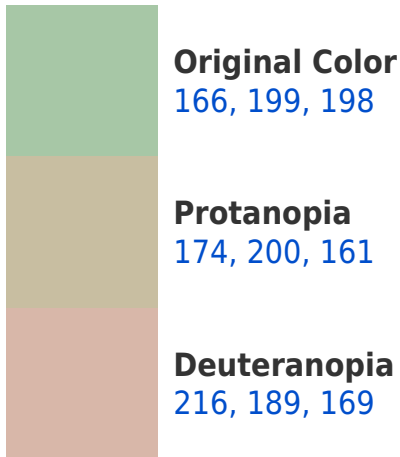


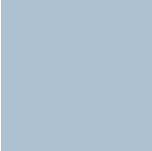
This preview shows how white text looks on a background with the RYB color 166, 199, 198.

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](#).

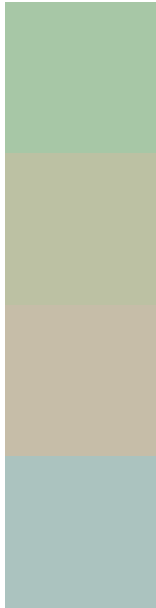
Dichromacy





Tritanopia
174, 186, 208

Trichromacy



Original Color
166, 199, 198

Protanomaly
163, 193, 168

Deuteranomaly
181, 198, 168

Tritanomaly
171, 184, 195

Monochromacy



Original Color
166, 199, 198

Achromatopsia
186, 186, 186

Achromatomaly
179, 191, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 199, 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(167, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(167, 199, 166)  
}
```

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(167, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 199, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 199, 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(167, 199, 166) }
```

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

```
.border{ border-color:rgb(167, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(167, 199,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 199, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 199, 166) }
```

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

```
.background{ background-color: rgb(167,  
199, 166) }
```

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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