

Converting Colors

`RYB(153, 201, 217)`

Have a look what the booklet for
RYB(153, 201, 217) contains.

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Color

$\text{RYB}(153, 201, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	99D9AE
RGB	153, 217, 174
RGB Percent	60%, 85%, 68%
CMY	0.4000, 0.1490, 0.3163
CMYK	0.29, 0.00, 0.20, 0.15
HSL	140°, 46%, 73%
HSV	140°, 29%, 85%
XYZ	45.6223, 59.4670, 49.2887
YIQ	192.9620, -24.3410, -26.9410

Conversions

Conversions Part 2

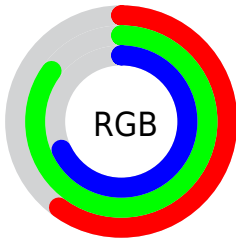
Format	Color
RYB	153, 201, 217
Decimal	10082734
CIELab	81.55, -28.98, 14.62
CIElCh	82, 32.457, 153.227
Yxy	59.4670, 0.2955, 0.3852
Android (android.graphics.Color)	4288272814 (0xFF99D9AE)
YUV	192.9620, -9.3483, -35.0467
Hunter-Lab	77.1149, -29.3479, 16.0846

Details

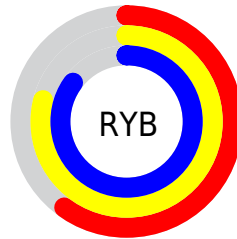
The RYB color **153, 201, 217** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **217, 153, 196**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **209, 241, 255**, and **100, 146, 162** is the 20% darker color. If you saturate the color by 10%, you get **131, 195, 217**, and if you desaturate by 10%, it is **175, 207, 217**.

Distribution



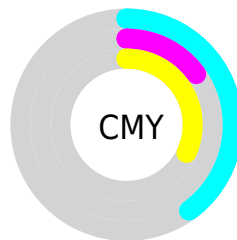
- Red (60%)
- Green (85%)
- Blue (68%)



- Red (60%)
- Yellow (79%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)



- Cyan (40%)
- Magenta (15%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 201, 217 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 153, 201, 217 by changing the saturation by 10% instead.

 153, 201, 217

255, 255, 255


 209, 241, 255

 237, 246, 255


 153, 201, 217

 126, 173, 189

 100, 146, 162

 74, 118, 135

 49, 93, 110

 21, 65, 85

 0, 41, 61


 0, 35, 39

 0, 11, 11


 0, 0, 0

 153, 201, 217


 153, 201, 217

 131, 195, 217


 175, 207, 217

 110, 191, 217


 196, 212, 217

 88, 185, 217


 218, 217, 218

 66, 179, 217

 240, 217, 232


 44, 174, 217

 255, 217, 247

 23, 168, 217

 255, 217, 255

 1, 163, 217

 0, 163, 217

Harmonies

Analogous

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



151, 211, 174



153, 201, 217



121, 175, 220

Triad

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



153, 201, 217



168, 193, 255



255, 185, 171

Complementary

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



153, 201, 217



217, 153, 196

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, 180, 200



153, 201, 217



211, 194, 253

Square

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



153, 201, 217



127, 178, 255



244, 184, 231



247, 223, 149

Rectangle

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



153, 201, 217



109, 166, 226



244, 184, 231



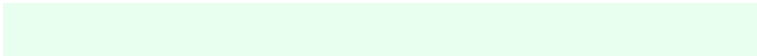
255, 181, 180

Sweetspot

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



153, 201, 217



232, 249, 255



153, 217, 174



113, 124, 128



0, 0, 0



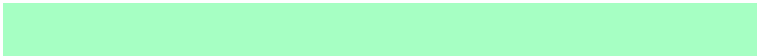
128, 128, 128

Same Dimension

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



153, 201, 217



166, 233, 255



153, 188, 217



99, 108, 110



0, 130, 173



0, 35, 46

Inverse Universe

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



217, 153, 196



255, 166, 225



217, 153, 164



110, 99, 106



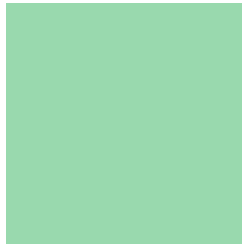
173, 0, 116



46, 0, 31

Previews

White Background



This preview shows how the RYB color 153, 201, 217 looks on a white background.

Color Contrast Check

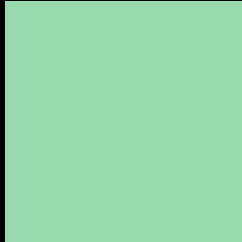
Large Text (above 18pt) WCAG AA × Fail

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 153, 201, 217 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 153, 201, 217 Background



This preview shows how black text looks on a background with the RYP color 153, 201, 217.

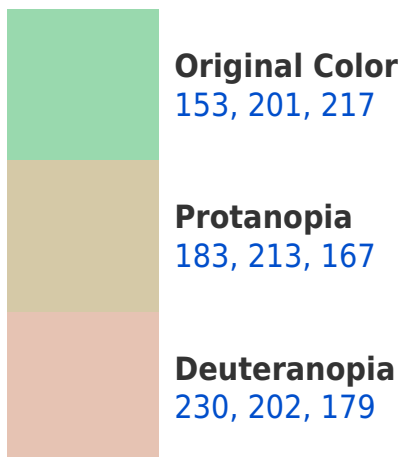


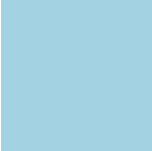
This preview shows how white text looks on a background with the RYP color 153, 201, 217.

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
163, 190, 227

Trichromacy



Original Color

153, 201, 217



Protanomaly

170, 207, 186



Deuteranomaly

177, 203, 178



Tritanomaly

159, 187, 213

Monochromacy



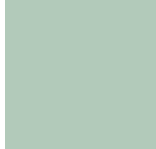
Original Color

153, 201, 217



Achromatopsia

193, 193, 193



Achromatomaly

178, 196, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 201, 217 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(153, 217, 174)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 174)  
}
```

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(153, 217, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 174) }
```

Border

The CSS property to change the border of an element to RYB 153, 201, 217 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(153, 217, 174) }
```

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

```
.border{ border-color:rgb(153, 217, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 174);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 153, 201, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 174) }
```

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

```
.background{ background-color: rgb(153,  
217, 174) }
```

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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