

Converting Colors

`RYB(153, 188, 217)`

Have a look what the booklet for
RYB(153, 188, 217) contains.

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Color

R_YB(153, 188, 217)

Conversions

Conversions Part 1

Format	Color
Hex	99D9CE
RGB	153, 217, 206
RGB Percent	60%, 85%, 81%
CMY	0.4000, 0.1490, 0.1920
CMYK	0.29, 0.00, 0.05, 0.15
HSL	170°, 46%, 73%
HSV	170°, 29%, 85%
XYZ	49.0938, 60.8556, 67.5695
YIQ	196.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

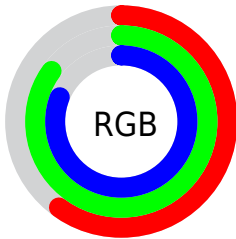
Format	Color
RYB	153, 188, 217
Decimal	10082766
CIELab	82.30, -22.54, -1.11
CIELCh	82, 22.565, 182.815
Yxy	60.8556, 0.2766, 0.3428
Android (android.graphics.Color)	4288272846 (0xFF99D9CE)
YUV	196.6100, 4.6293, -38.2460
Hunter-Lab	78.0100, -24.1828, 3.2521

Details

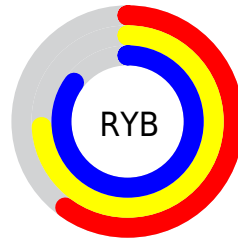
The RYB color **153, 188, 217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **217, 153, 164**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **209, 232, 255**, and **99, 133, 162** is the 20% darker color. If you saturate the color by 10%, you get **131, 178, 217**, and if you desaturate by 10%, it is **175, 198, 217**.

Distribution



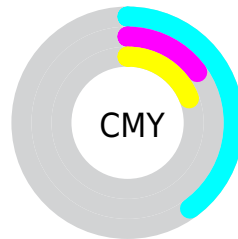
- Red (60%)
- Green (85%)
- Blue (81%)



- Red (60%)
- Yellow (74%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (40%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 188, 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, 188, 217 by changing the saturation by 10% instead.

 153, 188, 217


255, 255, 255


 209, 232, 255

 238, 247, 255

 153, 188, 217

 126, 160, 189

 99, 133, 162

 73, 107, 136

 47, 81, 110

 18, 54, 85

 0, 33, 62

 0, 21, 39

 0, 9, 15

 0, 0, 0

■ 153, 188, 217

■ 153, 188, 217

■ 131, 178, 217

■ 175, 198, 217

■ 110, 168, 217

■ 196, 208, 217

■ 88, 159, 217

■ 218, 217, 217

■ 66, 149, 217

■ 240, 217, 221

■ 44, 139, 217

■ 255, 217, 225

■ 23, 129, 217

■ 255, 217, 228

■ 1, 119, 217

■ 255, 217, 232

■ 0, 119, 217

■ 255, 217, 236

■ 255, 217, 240

Harmonies

Analogous

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



172, 205, 215



153, 188, 217



147, 184, 227

Triad

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



153, 188, 217



211, 199, 240



238, 218, 168

Complementary

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



153, 188, 217



217, 153, 164

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.



248, 193, 183



153, 188, 217



234, 193, 224

Square

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



153, 188, 217



183, 200, 247



247, 190, 203



183, 219, 163

Rectangle

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



153, 188, 217



153, 189, 238



247, 190, 203



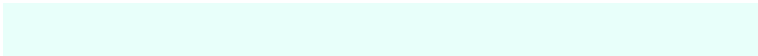
242, 206, 172

Sweetspot

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



153, 188, 217



232, 245, 255



153, 217, 205



113, 121, 128



0, 0, 0



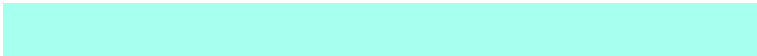
128, 128, 128

Same Dimension

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



153, 188, 217



166, 215, 255



153, 179, 217



99, 105, 110



0, 94, 173



0, 25, 46

Inverse Universe

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



217, 153, 164



255, 166, 181



217, 182, 153



110, 99, 101



173, 0, 30



46, 0, 8

Previews

White Background



This preview shows how the RYB color 153, 188, 217 looks on a white background.

Color Contrast Check

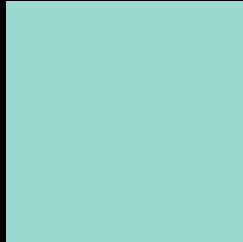
Large Text (above 18pt) WCAG AA × Fail

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, 188, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

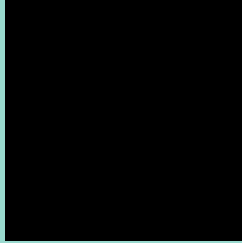
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

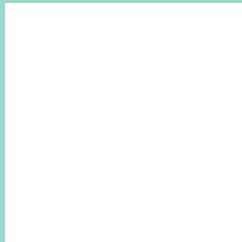
Any Text WCAG AAA ✓ Pass

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

RYB 153, 188, 217 Background



This preview shows how black text looks on a background with the RYB color 153, 188, 217.

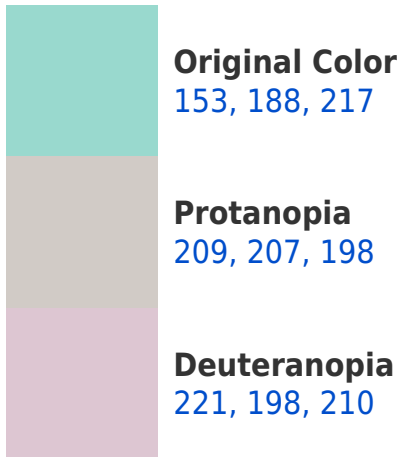


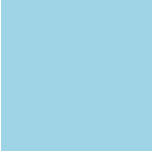
This preview shows how white text looks on a background with the RYB color 153, 188, 217.

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
158, 189, 230

Trichromacy



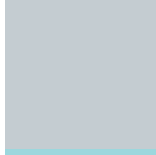
Original Color

153, 188, 217



Protanomaly

189, 201, 208



Deuteranomaly

196, 201, 209



Tritanomaly

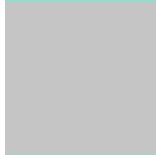
156, 187, 221

Monochromacy



Original Color

153, 188, 217



Achromatopsia

197, 197, 197



Achromatomaly

181, 194, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 188, 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 206) }
```

Border

The CSS property to change the border of an element to RYB 153, 188, 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, 206) }
```

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

```
.border{ border-color:rgb(153, 217, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 206);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 153, 188, 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, 206) }
```

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

```
.background{ background-color: rgb(153,  
217, 206) }
```

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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