

Converting Colors

`RYB(153, 189, 216)`

Have a look what the booklet for RYB(153, 189, 216) contains.

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Color

`RYB(153, 189, 216)`

Conversions

Conversions Part 1

Format	Color
Hex	99D8C8
RGB	153, 216, 200
RGB Percent	60%, 85%, 78%
CMY	0.4000, 0.1529, 0.2147
CMYK	0.29, 0.00, 0.07, 0.15
HSL	165°, 45%, 72%
HSV	165°, 29%, 85%
XYZ	48.1473, 60.0659, 63.8531
YIQ	195.3390, -32.4120, -18.3320

Conversions

Conversions Part 2

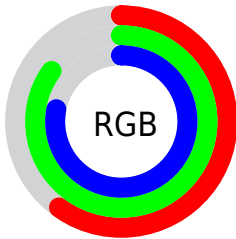
Format	Color
RYB	153, 189, 216
Decimal	10082504
CIELab	81.87, -23.29, 1.34
CIELCh	82, 23.330, 176.702
Yxy	60.0659, 0.2798, 0.3491
Android (android.graphics.Color)	4288272584 (0xFF99D8C8)
YUV	195.3390, 2.2979, -37.1313
Hunter-Lab	77.5022, -24.7378, 5.4032

Details

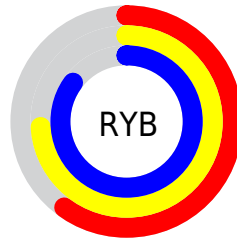
The RYB color **153, 189, 216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **216, 153, 169**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **209, 232, 255**, and **100, 135, 161** is the 20% darker color. If you saturate the color by 10%, you get **131, 179, 216**, and if you desaturate by 10%, it is **175, 198, 216**.

Distribution



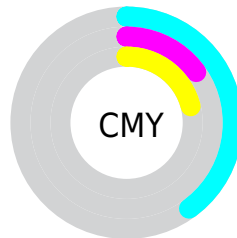
- Red (60%)
- Green (85%)
- Blue (78%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (40%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 189, 216 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, 189, 216 by changing the saturation by 10% instead.


 153, 189, 216


255, 255, 255


 209, 232, 255


 238, 247, 255

 153, 189, 216

 126, 161, 188

 100, 135, 161


 74, 108, 135

 48, 82, 109

 20, 55, 84

 0, 34, 61


 0, 22, 39

 0, 11, 13


 0, 0, 0

 153, 189, 216


 153, 189, 216

 131, 179, 216


 175, 198, 216

 110, 171, 216


 196, 207, 216

 88, 161, 216


 218, 216, 216

 67, 152, 216

 239, 216, 222

 45, 143, 216

 255, 216, 227

 23, 133, 216

 255, 216, 233

 2, 124, 216

 255, 216, 238

 0, 123, 216

 255, 216, 243

 255, 216, 249

Harmonies

Analogous

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



174, 209, 213



153, 189, 216



143, 181, 222

Triad

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



153, 189, 216



204, 199, 242



240, 209, 168

Complementary

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



153, 189, 216



216, 153, 169

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, 189, 185



153, 189, 216



230, 192, 228

Square

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



153, 189, 216



175, 197, 247



245, 188, 207



194, 223, 160

Rectangle

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



153, 189, 216



146, 185, 235



245, 188, 207



244, 199, 173

Sweetspot

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



153, 189, 216



232, 245, 255



153, 216, 200



113, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 189, 216



166, 217, 255



153, 180, 216



96, 102, 107



0, 98, 171



0, 24, 43

Inverse Universe

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



216, 153, 169



255, 166, 188



216, 174, 153



107, 96, 99



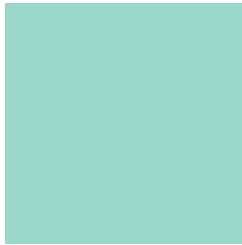
171, 0, 43



43, 0, 11

Previews

White Background



This preview shows how the RYB color 153, 189, 216 looks on a white background.

Color Contrast Check

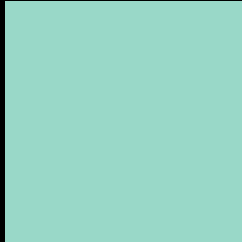
Large Text (above 18pt) WCAG AA × Fail

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, 189, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

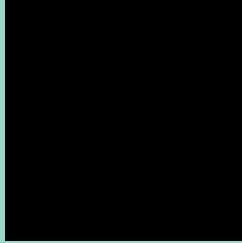
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

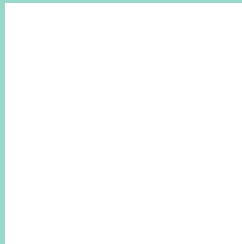
Any Text WCAG AAA ✓ Pass

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

RYB 153, 189, 216 Background



This preview shows how black text looks on a background with the RYB color 153, 189, 216.



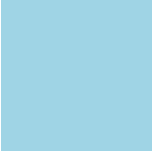
This preview shows how white text looks on a background with the RYB color 153, 189, 216.

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
159, 189, 229

Trichromacy



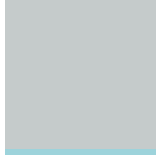
Original Color

153, 189, 216



Protanomaly

189, 203, 207



Deuteranomaly

197, 200, 203



Tritanomaly

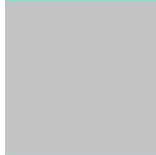
157, 186, 219

Monochromacy



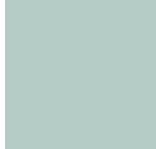
Original Color

153, 189, 216



Achromatopsia

195, 195, 195



Achromatomaly

180, 193, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 189, 216 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, 216, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 216, 200)  
}
```

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, 216, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 216, 200) }
```

Border

The CSS property to change the border of an element to RYB 153, 189, 216 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, 216, 200) }
```

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

```
.border{ border-color:rgb(153, 216, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 216, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 216, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 216, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 216,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 153, 189, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 216, 200) }
```

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

```
.background{ background-color: rgb(153,  
216, 200) }
```

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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