

Converting Colors

`RYB(151, 189, 216)`

Have a look what the booklet for
RYB(151, 189, 216) contains.

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Color

R_YB(151, 189, 216)

Conversions

Conversions Part 1

Format	Color
Hex	97D8C5
RGB	151, 216, 197
RGB Percent	59%, 85%, 77%
CMY	0.4078, 0.1529, 0.2267
CMYK	0.30, 0.00, 0.09, 0.15
HSL	163°, 45%, 72%
HSV	163°, 30%, 85%
XYZ	47.4175, 59.7307, 61.9641
YIQ	194.3990, -32.6410, -19.6890

Conversions

Conversions Part 2

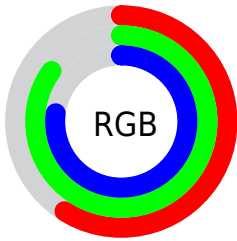
Format	Color
RYB	151, 189, 216
Decimal	9951429
CIELab	81.69, -24.53, 2.70
CIElCh	82, 24.677, 173.729
Yxy	59.7307, 0.2804, 0.3532
Android (android.graphics.Color)	4288141509 (0xFF97D8C5)
YUV	194.3990, 1.2823, -38.0609
Hunter-Lab	77.2856, -25.7337, 6.5640

Details

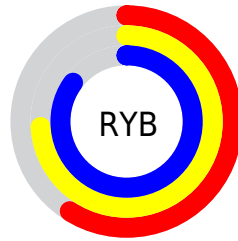
The RYB color **151, 189, 216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **216, 151, 170**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **207, 231, 255**, and **98, 135, 161** is the 20% darker color. If you saturate the color by 10%, you get **129, 180, 216**, and if you desaturate by 10%, it is **173, 198, 216**.

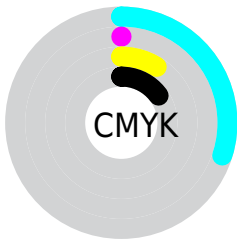
Distribution



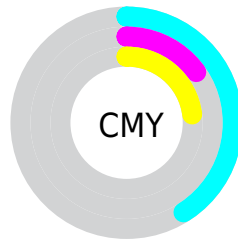
- Red (59%)
- Green (85%)
- Blue (77%)



- Red (59%)
- Yellow (74%)
- Blue (85%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)




- Cyan (41%)
- Magenta (15%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 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 151, 189, 216 by changing the saturation by 10% instead.


 151, 189, 216


255, 255, 255


 207, 231, 255

 236, 246, 255

 151, 189, 216

 124, 161, 188

 98, 135, 161


 72, 108, 135

 46, 82, 109


 16, 54, 84


 0, 34, 61

 0, 23, 39


 0, 12, 12

 0, 0, 0

 151, 189, 216


 151, 189, 216

 129, 180, 216


 173, 198, 216

 108, 171, 216


 194, 207, 216

 86, 162, 216


 216, 216, 216

 65, 153, 216

 237, 216, 222

 43, 144, 216

 255, 216, 228

 21, 135, 216

 255, 216, 235

 0, 126, 216

 255, 216, 241

 255, 216, 247

 255, 216, 253

Harmonies

Analogous

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



174, 212, 213



151, 189, 216



138, 178, 221

Triad

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



151, 189, 216



201, 199, 245



243, 204, 167

Complementary

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



151, 189, 216



216, 151, 170

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.



251, 187, 185



151, 189, 216



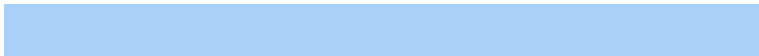
228, 191, 231

Square

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



151, 189, 216



169, 195, 248



246, 187, 209



197, 225, 157

Rectangle

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



151, 189, 216



141, 182, 234



246, 187, 209



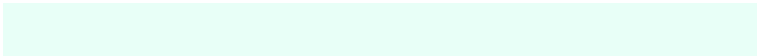
247, 196, 172

Sweetspot

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



151, 189, 216



232, 246, 255



151, 216, 196



113, 122, 128



0, 0, 0



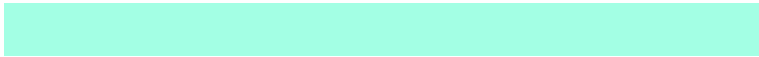
128, 128, 128

Same Dimension

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



151, 189, 216



163, 217, 255



151, 180, 216



96, 102, 107



0, 100, 171



0, 25, 43

Inverse Universe

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



216, 151, 170



255, 163, 190



216, 167, 151



107, 96, 99



171, 0, 49



43, 0, 13

Previews

White Background



This preview shows how the RYB color 151, 189, 216 looks on a white background.

Color Contrast Check

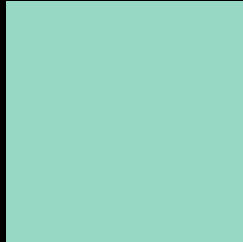
Large Text (above 18pt) WCAG AA × Fail

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 151, 189, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

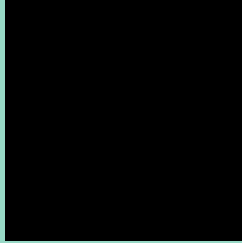
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

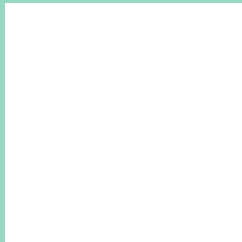
Any Text WCAG AAA ✓ Pass

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

RYB 151, 189, 216 Background



This preview shows how black text looks on a background with the RYB color 151, 189, 216.



This preview shows how white text looks on a background with the RYB color 151, 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
158, 188, 228

Trichromacy



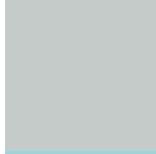
Original Color

151, 189, 216



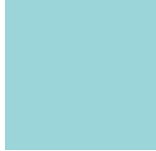
Protanomaly

188, 203, 206



Deuteranomaly

196, 200, 203



Tritanomaly

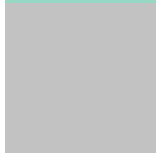
155, 185, 217

Monochromacy



Original Color

151, 189, 216



Achromatopsia

194, 194, 194



Achromatomaly

178, 192, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 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(151, 216, 197)` looks like.

```
.text, #text, p{  
    color:rgb(151, 216, 197)  
}
```

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(151, 216, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 216, 197) }
```

Border

The CSS property to change the border of an element to RYB 151, 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(151, 216, 197) }
```

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

```
.border{ border-color:rgb(151, 216, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 216, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 216, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 216, 197);  
box-shadow:4px 4px 4px 4px rgb(151, 216,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 151, 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(151, 216, 197) }
```

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

```
.background{ background-color: rgb(151,  
216, 197) }
```

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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