

Converting Colors

`RYB(153, 221, 228)`

Have a look what the booklet for
RYB(153, 221, 228) contains.

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Color

R_YB(153, 221, 228)

Conversions

Conversions Part 1

Format	Color
Hex	99E4A1
RGB	153, 228, 161
RGB Percent	60%, 89%, 63%
CMY	0.4000, 0.1059, 0.3697
CMYK	0.33, 0.00, 0.30, 0.11
HSL	126°, 58%, 75%
HSV	126°, 33%, 89%
XYZ	47.2887, 64.8225, 43.6088
YIQ	197.9370, -23.1930, -36.7370

Conversions

Conversions Part 2

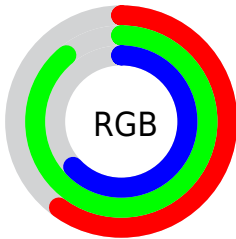
Format	Color
RYB	153, 221, 228
Decimal	10085537
CIELab	84.39, -36.53, 25.67
CIELCh	84, 44.645, 144.908
Yxy	64.8225, 0.3037, 0.4163
Android (android.graphics.Color)	4288275617 (0xFF99E4A1)
YUV	197.9370, -18.2099, -39.4097
Hunter-Lab	80.5124, -36.0554, 24.2448

Details

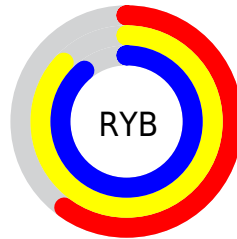
The RYB color **153, 221, 228** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **228, 153, 220**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **209, 249, 255**, and **99, 163, 172** is the 20% darker color. If you saturate the color by 10%, you get **130, 219, 228**, and if you desaturate by 10%, it is **176, 223, 228**.

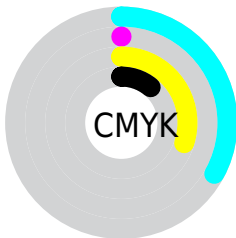
Distribution



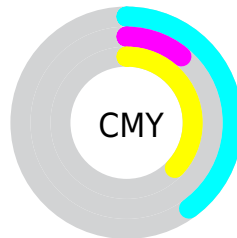
- Red (60%)
- Green (89%)
- Blue (63%)



- Red (60%)
- Yellow (87%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)



- Cyan (40%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 221, 228 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, 221, 228 by changing the saturation by 10% instead.


 153, 221, 228


255, 255, 255


 209, 249, 255


 238, 251, 255

 153, 221, 228

 126, 193, 200

 99, 163, 172

 72, 135, 145

 45, 107, 119

 12, 75, 94

 0, 58, 70

 0, 46, 46

 0, 24, 24

 0, 0, 0

 153, 221, 228


 153, 221, 228


 130, 219, 228

 176, 223, 228

 107, 216, 228

 199, 225, 228

 85, 215, 228

 221, 227, 228

 62, 213, 228

 244, 228, 243

 39, 211, 228

 255, 228, 255

 16, 208, 228

 0, 207, 228

Harmonies

Analogous

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



133, 219, 150



153, 221, 228



96, 173, 233

Triad

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



153, 221, 228



136, 184, 255



255, 180, 177

Complementary

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



153, 221, 228



228, 153, 220

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, 178, 220



153, 221, 228



205, 202, 255

Square

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



153, 221, 228



57, 148, 255



255, 187, 255



255, 227, 143

Rectangle

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



153, 221, 228



52, 143, 233



255, 187, 255



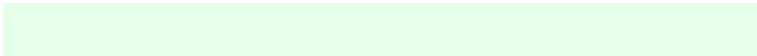
255, 178, 191

Sweetspot

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



153, 221, 228



230, 253, 255



153, 228, 160



112, 126, 128



0, 0, 0



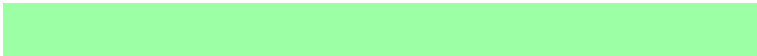
128, 128, 128

Same Dimension

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



153, 221, 228



156, 246, 255



153, 200, 228



103, 114, 115



0, 163, 179



0, 46, 51

Inverse Universe

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



228, 153, 220



255, 156, 245



228, 153, 183



115, 103, 114



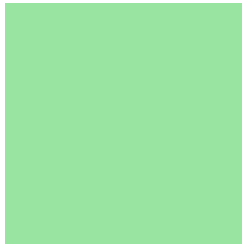
179, 0, 160



51, 0, 46

Previews

White Background



This preview shows how the RYB color 153, 221, 228 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, 221, 228 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, 221, 228 Background



This preview shows how black text looks on a background with the RYB color 153, 221, 228.

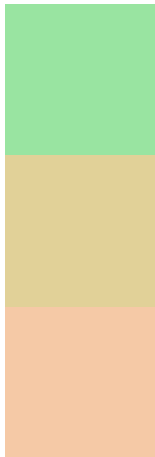


This preview shows how white text looks on a background with the RYB color 153, 221, 228.

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



Original Color
153, 221, 228

Protanopia
172, 225, 152

Deuteranopia
245, 229, 166



Tritanopia
167, 196, 236

Trichromacy



Original Color

153, 221, 228



Protanomaly

155, 216, 172



Deuteranomaly

165, 212, 164



Tritanomaly

162, 196, 222

Monochromacy



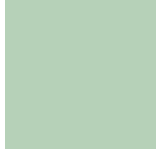
Original Color

153, 221, 228



Achromatopsia

198, 198, 198



Achromatomaly

182, 207, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 221, 228 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, 228, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 228, 161)  
}
```

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, 228, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 228, 161) }
```

Border

The CSS property to change the border of an element to RYB 153, 221, 228 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, 228, 161) }
```

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

```
.border{ border-color:rgb(153, 228, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 228, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 228, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 228, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 228,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 153, 221, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 228, 161) }
```

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

```
.background{ background-color: rgb(153,  
228, 161) }
```

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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