

Converting Colors

`RYB(153, 220, 227)`

Have a look what the booklet for
RYB(153, 220, 227) contains.

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Color

R_YB(153, 220, 227)

Conversions

Conversions Part 1

Format	Color
Hex	99E3A1
RGB	153, 227, 161
RGB Percent	60%, 89%, 63%
CMY	0.4000, 0.1098, 0.3697
CMYK	0.33, 0.00, 0.29, 0.11
HSL	126°, 57%, 75%
HSV	126°, 33%, 89%
XYZ	47.0153, 64.2742, 43.5223
YIQ	197.3500, -22.9180, -36.2140

Conversions

Conversions Part 2

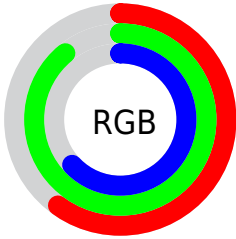
Format	Color
RYB	153, 220, 227
Decimal	10085281
CIELab	84.11, -36.07, 25.27
CIELCh	84, 44.044, 144.982
Yxy	64.2742, 0.3037, 0.4152
Android (android.graphics.Color)	4288275361 (0xFF99E3A1)
YUV	197.3500, -17.9205, -38.8949
Hunter-Lab	80.1712, -35.6207, 23.9332

Details

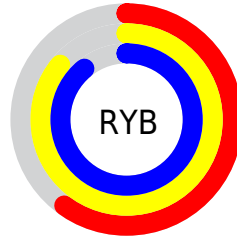
The RYB color **153, 220, 227** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **227, 153, 219**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **209, 249, 255**, and **99, 162, 171** is the 20% darker color. If you saturate the color by 10%, you get **130, 218, 227**, and if you desaturate by 10%, it is **176, 222, 227**.

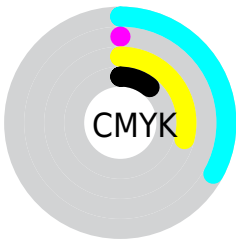
Distribution



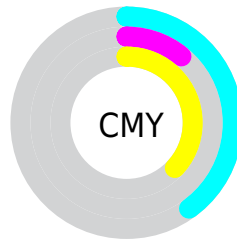
- Red (60%)
- Green (89%)
- Blue (63%)



- Red (60%)
- Yellow (86%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 220, 227 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, 220, 227 by changing the saturation by 10% instead.


 153, 220, 227


255, 255, 255


 209, 249, 255


 238, 251, 255

 153, 220, 227

 126, 192, 199

 99, 162, 171

 73, 134, 144

 46, 106, 118

 13, 75, 93

 0, 57, 69

 0, 46, 46

 0, 23, 23

 0, 0, 0

 153, 220, 227

 153, 220, 227

 130, 218, 227

 176, 222, 227

 108, 216, 227

 198, 224, 227

 85, 213, 227

 221, 226, 227

 62, 212, 227

 244, 227, 242

 40, 210, 227

 255, 227, 255

 17, 207, 227

 0, 205, 227

Harmonies

Analogous

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



133, 218, 149



153, 220, 227



98, 174, 232

Triad

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



153, 220, 227



137, 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, 220, 227



227, 153, 219

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, 219



153, 220, 227



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, 220, 227



61, 150, 255



255, 187, 255



255, 224, 143

Rectangle

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



153, 220, 227



56, 145, 232



255, 187, 255



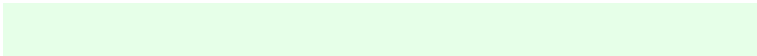
255, 178, 190

Sweetspot

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



153, 220, 227



230, 253, 255



153, 227, 160



112, 126, 128



0, 0, 0



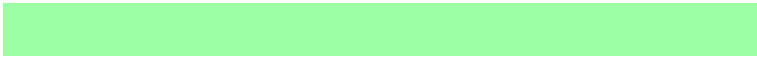
128, 128, 128

Same Dimension

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



153, 220, 227



156, 246, 255



153, 199, 227



103, 114, 115



0, 162, 179



0, 46, 51

Inverse Universe

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



227, 153, 219



255, 156, 245



227, 153, 183



115, 103, 114



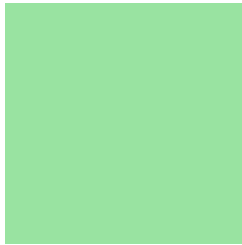
179, 0, 160



51, 0, 46

Previews

White Background



This preview shows how the RYB color 153, 220, 227 looks on a white background.

Color Contrast Check

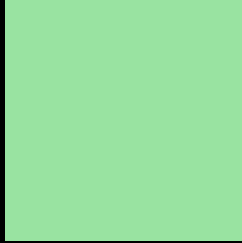
Large Text (above 18pt) WCAG AA × Fail

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, 220, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

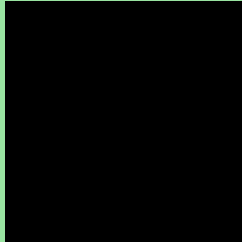
Any Text WCAG AA ✓ Pass

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, 220, 227 Background



This preview shows how black text looks on a background with the RYB color 153, 220, 227.

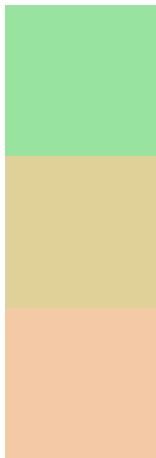


This preview shows how white text looks on a background with the RYB color 153, 220, 227.

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, 220, 227

Protanopia
172, 224, 153

Deuteranopia
243, 230, 166



Tritanopia
167, 196, 235

Trichromacy



Original Color

153, 220, 227



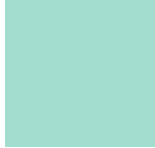
Protanomaly

156, 216, 174



Deuteranomaly

164, 210, 164



Tritanomaly

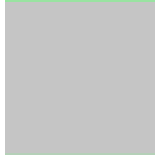
162, 195, 221

Monochromacy



Original Color

153, 220, 227



Achromatopsia

197, 197, 197



Achromatomaly

181, 205, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 220, 227 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, 227, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 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, 227, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 161) }
```

Border

The CSS property to change the border of an element to RYB 153, 220, 227 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, 227, 161) }
```

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

```
.border{ border-color:rgb(153, 227, 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, 227, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 153, 220, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 161) }
```

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

```
.background{ background-color: rgb(153,  
227, 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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