

Converting Colors

`RYB(153, 228, 232)`

Have a look what the booklet for
RYB(153, 228, 232) contains.

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Color

R_YB(153, 228, 232)

Conversions

Conversions Part 1

Format	Color
Hex	99E89D
RGB	153, 232, 157
RGB Percent	60%, 91%, 62%
CMY	0.4000, 0.0902, 0.3835
CMYK	0.34, 0.00, 0.32, 0.09
HSL	123°, 63%, 75%
HSV	123°, 34%, 91%
XYZ	48.0975, 66.9271, 42.3771
YIQ	199.8290, -23.0090, -40.0730

Conversions

Conversions Part 2

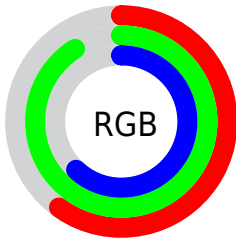
Format	Color
RYB	153, 228, 232
Decimal	10086557
CIELab	85.47, -38.92, 28.92
CIElCh	85, 48.486, 143.382
Yxy	66.9271, 0.3056, 0.4252
Android (android.graphics.Color)	4288276637 (0xFF99E89D)
YUV	199.8290, -21.1147, -41.0690
Hunter-Lab	81.8090, -38.2213, 26.5541

Details

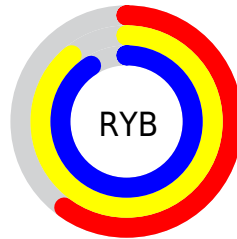
The RYB color **153, 228, 232** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **232, 153, 228**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **209, 252, 255**, and **98, 170, 176** is the 20% darker color. If you saturate the color by 10%, you get **130, 227, 232**, and if you desaturate by 10%, it is **176, 229, 232**.

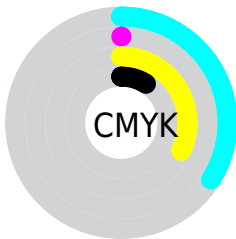
Distribution



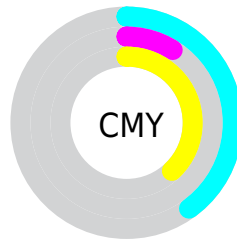
- Red (60%)
- Green (91%)
- Blue (62%)



- Red (60%)
- Yellow (89%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (9%)



- Cyan (40%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 228, 232 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, 228, 232 by changing the saturation by 10% instead.


 153, 228, 232


255, 255, 255


 209, 252, 255


 239, 253, 255

 153, 228, 232

 126, 199, 204

 98, 170, 176

 72, 142, 149

 44, 112, 123

 7, 77, 97

 0, 64, 73

 0, 49, 49

 0, 28, 28

 0, 0, 0

 153, 228, 232

 153, 228, 232

 130, 227, 232

 176, 229, 232

 107, 226, 232

 199, 230, 232

 83, 224, 232

 223, 232, 232

 60, 223, 232

 246, 232, 245

 37, 222, 232

 255, 232, 255

 14, 222, 232

 0, 221, 232

Harmonies

Analogous

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



127, 222, 142



153, 228, 232



87, 172, 237

Triad

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



153, 228, 232



124, 180, 255



255, 179, 180

Complementary

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



153, 228, 232



232, 153, 228

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, 226



153, 228, 232



203, 205, 255

Square

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



153, 228, 232



0, 121, 255



255, 189, 255



255, 229, 142

Rectangle

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



153, 228, 232



0, 120, 238



255, 189, 255



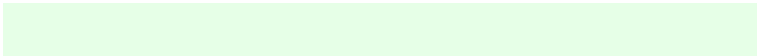
255, 177, 195

Sweetspot

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



153, 228, 232



230, 254, 255



153, 232, 157



112, 127, 128



0, 0, 0



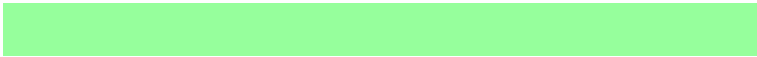
128, 128, 128

Same Dimension

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



153, 228, 232



150, 249, 255



153, 204, 232



103, 114, 115



0, 170, 179



0, 48, 51

Inverse Universe

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



232, 153, 228



255, 150, 249



232, 153, 189



115, 103, 114



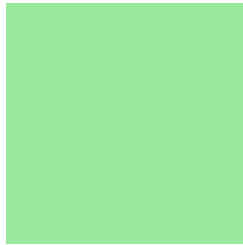
179, 0, 169



51, 0, 48

Previews

White Background



This preview shows how the RYB color 153, 228, 232 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, 228, 232 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, 228, 232 Background



This preview shows how black text looks on a background with the RYB color 153, 228, 232.

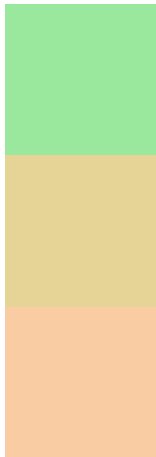


This preview shows how white text looks on a background with the RYB color 153, 228, 232.

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, 228, 232

Protanopia
171, 229, 149

Deuteranopia
250, 241, 163



Tritanopia
169, 199, 239

Trichromacy



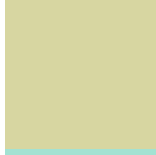
Original Color

153, 228, 232



Protanomaly

152, 219, 170



Deuteranomaly

162, 215, 161



Tritanomaly

163, 199, 226

Monochromacy



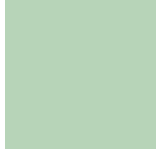
Original Color

153, 228, 232



Achromatopsia

200, 200, 200



Achromatomaly

183, 211, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 228, 232 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, 232, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 157)  
}
```

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, 232, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 157) }
```

Border

The CSS property to change the border of an element to RYB 153, 228, 232 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, 232, 157) }
```

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

```
.border{ border-color:rgb(153, 232, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 232, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 232, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 232, 157); box-shadow:4px 4px 4px 4px rgb(153, 232, 157) }
```

Background

The CSS property to change the background color of an element to RYB 153, 228, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 157) }
```

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

```
.background{ background-color: rgb(153,  
232, 157) }
```

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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