

Converting Colors

`RYB(153, 240, 226)`

Have a look what the booklet for
RYB(153, 240, 226) contains.

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Color

RYB(153, 240, 226)

Conversions

Conversions Part 1

Format	Color
Hex	A7F099
RGB	167, 240, 153
RGB Percent	65%, 94%, 60%
CMY	0.3451, 0.0588, 0.4000
CMYK	0.30, 0.00, 0.36, 0.06
HSL	110°, 74%, 77%
HSV	110°, 36%, 94%
XYZ	52.8462, 72.8356, 41.4104
YIQ	208.2550, -15.5810, -42.5330

Conversions

Conversions Part 2

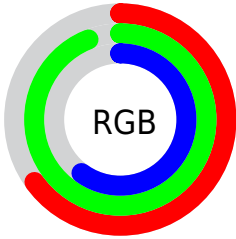
Format	Color
RYB	153, 240, 226
Decimal	11006105
CIELab	88.37, -38.72, 35.04
CIElCh	88, 52.225, 137.855
Yxy	72.8356, 0.3163, 0.4359
Android (android.graphics.Color)	4289196185 (0xFFA7F099)
YUV	208.2550, -27.2407, -36.1806
Hunter-Lab	85.3438, -38.8216, 30.9720

Details

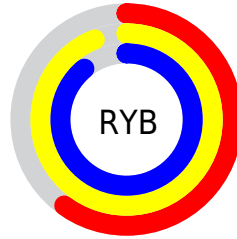
The RYB color **153, 240, 226** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **226, 153, 240**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **208, 255, 239**, and **101, 184, 173** is the 20% darker color. If you saturate the color by 10%, you get **129, 240, 222**, and if you desaturate by 10%, it is **177, 240, 230**.

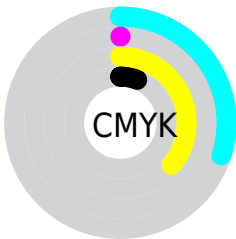
Distribution



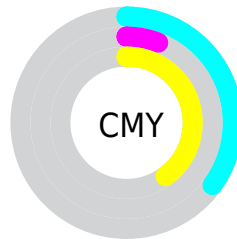
- Red (65%)
- Green (94%)
- Blue (60%)



- Red (60%)
- Yellow (94%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (36%)
- Black (6%)



- Cyan (35%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 240, 226 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, 240, 226 by changing the saturation by 10% instead.

 153, 240, 226


255, 255, 255


 208, 255, 239


 237, 255, 239


 153, 240, 226

 127, 211, 199

 101, 184, 173


 76, 156, 147

 52, 130, 124

 27, 104, 102

 0, 79, 80

 0, 56, 56

 0, 36, 36

 0, 0, 0

 153, 240, 226

 153, 240, 226

 129, 240, 222

 177, 240, 230

 105, 240, 218

 201, 240, 234

 81, 240, 214

 225, 240, 238

 57, 240, 211

 248, 240, 249

 33, 240, 207

 255, 240, 255

 9, 240, 203

 0, 240, 201

Harmonies

Analogous

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



125, 228, 129



153, 240, 226



96, 186, 247

Triad

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



153, 240, 226



100, 172, 255



255, 183, 194

Complementary

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



153, 240, 226



226, 153, 240

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, 184, 244



153, 240, 226



196, 211, 255

Square

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



153, 240, 226



0, 124, 255



255, 198, 255



255, 226, 150

Rectangle

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



153, 240, 226



0, 128, 248



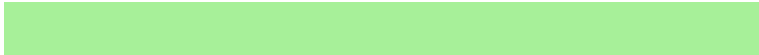
255, 198, 255



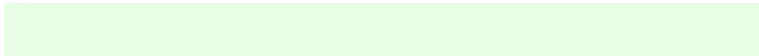
255, 182, 210

Sweetspot

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



153, 240, 226



227, 255, 251



171, 240, 153



111, 128, 125



0, 0, 0



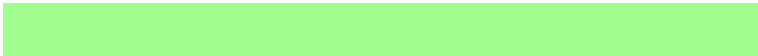
128, 128, 128

Same Dimension

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



153, 240, 226



143, 255, 237



153, 218, 240



108, 120, 118



0, 184, 154



0, 56, 47

Inverse Universe

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



226, 153, 240



237, 143, 255



240, 153, 211



118, 108, 120



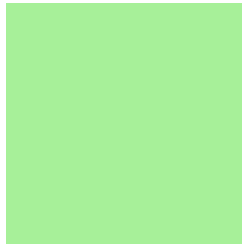
154, 0, 184



47, 0, 56

Previews

White Background



This preview shows how the RYB color 153, 240, 226 looks on a white background.

Color Contrast Check

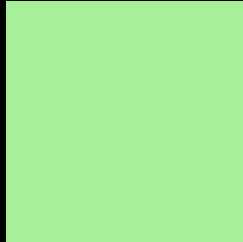
Large Text (above 18pt) WCAG AA × Fail

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, 240, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

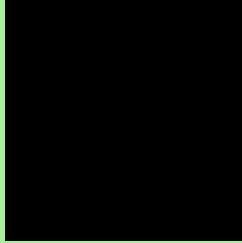
Any Text WCAG AA ✓ Pass

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, 240, 226 Background



This preview shows how black text looks on a background with the RYB color 153, 240, 226.

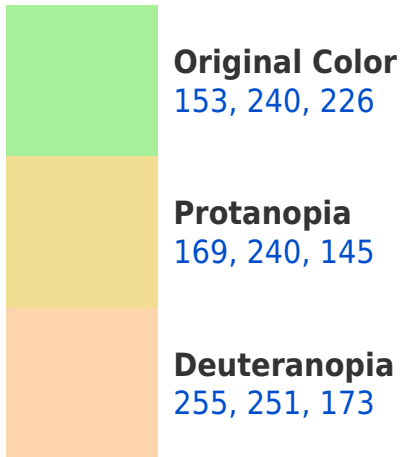



This preview shows how white text looks on a background with the RYB color 153, 240, 226.

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





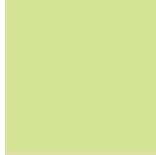
Tritanopia
183, 210, 247

Trichromacy



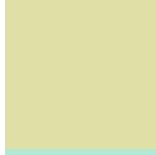
Original Color

153, 240, 226



Protanomaly

148, 228, 163



Deuteranomaly

166, 223, 166



Tritanomaly

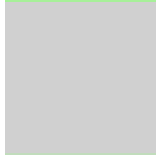
177, 211, 233

Monochromacy



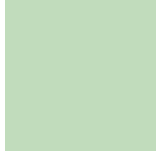
Original Color

153, 240, 226



Achromatopsia

208, 208, 208



Achromatomaly

188, 220, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 240, 226 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(167, 240, 153)` looks like.

```
.text, #text, p{  
    color:rgb(167, 240, 153)  
}
```

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(167, 240, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 240, 153) }
```

Border

The CSS property to change the border of an element to RYB 153, 240, 226 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(167, 240, 153) }
```

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

```
.border{ border-color:rgb(167, 240, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 240, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 240, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 240, 153);  
box-shadow:4px 4px 4px 4px rgb(167, 240,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 153, 240, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 240, 153) }
```

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

```
.background{ background-color: rgb(167,  
240, 153) }
```

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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