

Converting Colors

`RYB(153, 255, 250)`

Have a look what the booklet for
RYB(153, 255, 250) contains.

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Color

R_YB(153, 255, 250)

Conversions

Conversions Part 1

Format	Color
Hex	9EFF99
RGB	158, 255, 153
RGB Percent	62%, 100%, 60%
CMY	0.3804, 0.0000, 0.4000
CMYK	0.38, 0.00, 0.40, 0.00
HSL	117°, 100%, 80%
HSV	117°, 40%, 100%
XYZ	55.6103, 81.0890, 42.8578
YIQ	214.3690, -25.0700, -52.2860

Conversions

Conversions Part 2

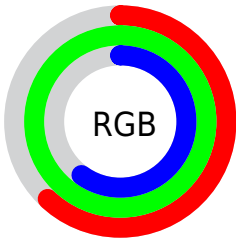
Format	Color
RYB	153, 255, 250
Decimal	10420121
CIELab	92.17, -48.06, 39.93
CIELCh	92, 62.486, 140.281
Yxy	81.0890, 0.3097, 0.4516
Android (android.graphics.Color)	4288610201 (0xFF9EFF99)
YUV	214.3690, -30.2549, -49.4356
Hunter-Lab	90.0494, -47.3533, 34.8164

Details

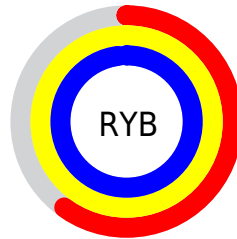
The RYB color **153, 255, 250** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **250, 153, 255**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **208, 255, 247**, and **100, 198, 197** is the 20% darker color. If you saturate the color by 10%, you get **128, 255, 249**, and if you desaturate by 10%, it is **179, 255, 252**.

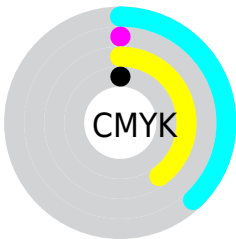
Distribution



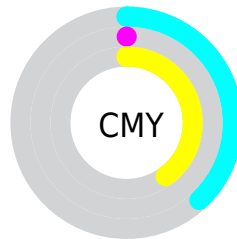
- Red (62%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 255, 250 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, 255, 250 by changing the saturation by 10% instead.

 153, 255, 250

255, 255, 255


 208, 255, 247


 237, 255, 247

 153, 255, 250

 126, 226, 222

 100, 198, 197

 72, 167, 170

 41, 135, 143

 0, 96, 117

 0, 91, 91

 0, 66, 66

 0, 45, 45

 0, 14, 14

■ 153, 255, 250

■ 153, 255, 250

■ 128, 255, 249

■ 179, 255, 252

■ 102, 255, 248

■ 204, 255, 252

■ 77, 255, 247

■ 230, 255, 254

■ 51, 255, 245

255, 255, 255

■ 25, 255, 243

■ 0, 255, 243

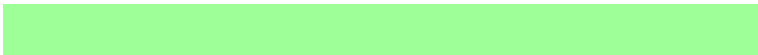
Harmonies

Analogous

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



115, 242, 129



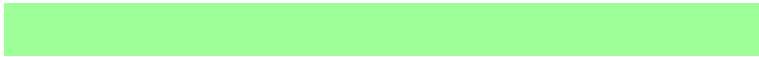
153, 255, 250



35, 158, 255

Triad

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



153, 255, 250



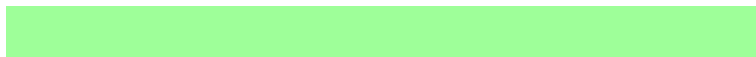
63, 156, 255



255, 184, 194

Complementary

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



153, 255, 250



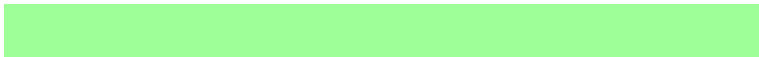
250, 153, 255

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, 255



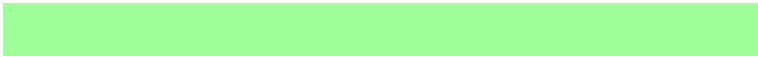
153, 255, 250



206, 219, 255

Square

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



153, 255, 250



0, 128, 255



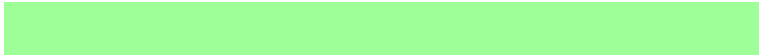
255, 201, 255



249, 255, 142

Rectangle

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



153, 255, 250



0, 128, 255



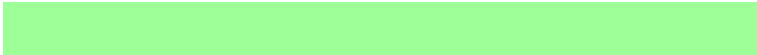
255, 201, 255



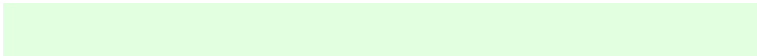
255, 182, 214

Sweetspot

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



153, 255, 250



224, 255, 253



158, 255, 153



110, 128, 127



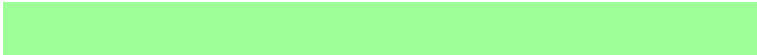
0, 0, 0



128, 128, 128

Same Dimension

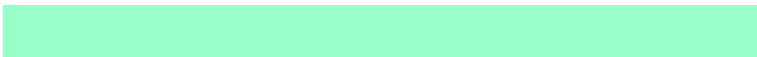
The Same Dimension uses a secret algorithm to generate beautiful new colors.



153, 255, 250



133, 255, 249



153, 223, 255



115, 128, 128



0, 191, 182



0, 64, 61

Inverse Universe

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



250, 153, 255



249, 133, 255



255, 153, 209



127, 115, 128



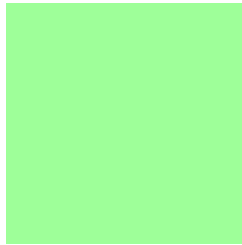
182, 0, 191



61, 0, 64

Previews

White Background



This preview shows how the RYB color 153, 255, 250 looks on a white background.

Color Contrast Check

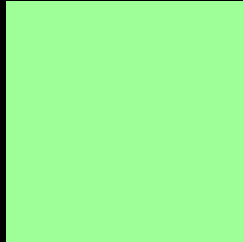
Large Text (above 18pt) WCAG AA × Fail

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, 255, 250 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

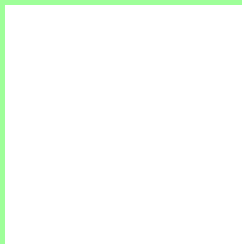
Any Text WCAG AAA ✓ Pass

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

RYB 153, 255, 250 Background



This preview shows how black text looks on a background with the RYB color 153, 255, 250.

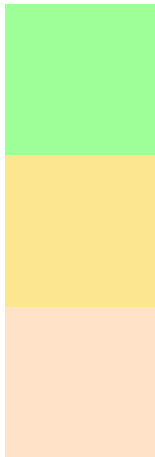


This preview shows how white text looks on a background with the RYB color 153, 255, 250.

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, 255, 250

Protanopia
170, 252, 144

Deuteranopia
255, 251, 199



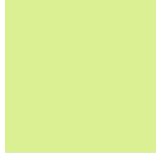
Tritanopia
192, 219, 255

Trichromacy



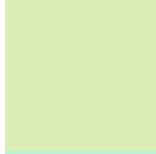
Original Color

153, 255, 250



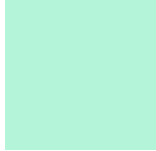
Protanomaly

147, 240, 169



Deuteranomaly

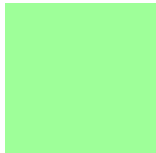
182, 237, 199



Tritanomaly

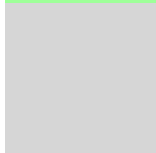
180, 221, 245

Monochromacy



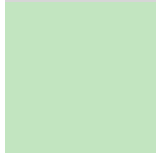
Original Color

153, 255, 250



Achromatopsia

214, 214, 214



Achromatomaly

192, 229, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 255, 250 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(158, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 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(158, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 153) }
```

Border

The CSS property to change the border of an element to RYB 153, 255, 250 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(158, 255, 153) }
```

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

```
.border{ border-color:rgb(158, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(158, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 153, 255, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 153) }
```

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

```
.background{ background-color: rgb(158,  
255, 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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