

Converting Colors

`RYB(153, 227, 255)`

Have a look what the booklet for
RYB(153, 227, 255) contains.

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Color

R_YB(153, 227, 255)

Conversions

Conversions Part 1

Format	Color
Hex	99FFC0
RGB	153, 255, 192
RGB Percent	60%, 100%, 75%
CMY	0.4000, 0.0000, 0.2486
CMYK	0.40, 0.00, 0.25, 0.00
HSL	143°, 100%, 80%
HSV	143°, 40%, 100%
XYZ	58.3664, 82.0801, 62.4008
YIQ	217.3200, -40.5690, -41.2170

Conversions

Conversions Part 2

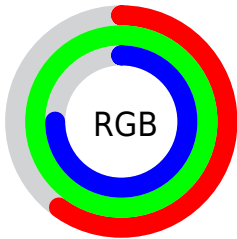
Format	Color
RYB	153, 227, 255
Decimal	10092480
CIELab	92.61, -43.16, 21.13
CIELCh	93, 48.054, 153.912
Yxy	82.0801, 0.2877, 0.4046
Android (android.graphics.Color)	4288282560 (0xFF99FFC0)
YUV	217.3200, -12.4828, -56.4086
Hunter-Lab	90.5981, -43.5508, 22.5818

Details

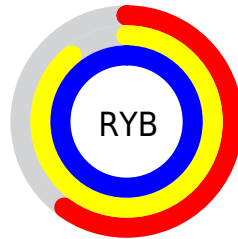
The RYB color **153, 227, 255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **255, 153, 216**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **211, 235, 255**, and **96, 168, 198** is the 20% darker color. If you saturate the color by 10%, you get **128, 220, 255**, and if you desaturate by 10%, it is **179, 235, 255**.

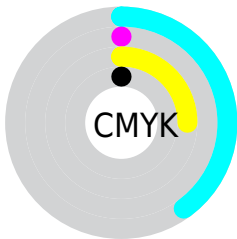
Distribution



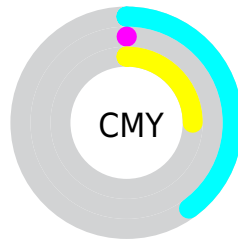
- Red (60%)
- Green (100%)
- Blue (75%)



- Red (60%)
- Yellow (89%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 227, 255 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, 227, 255 by changing the saturation by 10% instead.

 153, 227, 255


255, 255, 255


 211, 235, 255


 240, 248, 255

 153, 227, 255

 125, 198, 226

 96, 168, 198

 67, 139, 170


 35, 107, 143

 0, 76, 117

 0, 63, 91

 0, 52, 67

 0, 44, 44

 0, 17, 17

 153, 227, 255

 153, 227, 255

 128, 220, 255


 179, 235, 255

 102, 213, 255


 204, 241, 255


 77, 206, 255

 230, 248, 255

 51, 199, 255

255, 255, 255

 25, 192, 255

 0, 185, 255

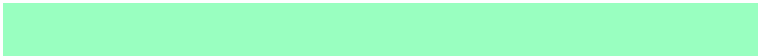
Harmonies

Analogous

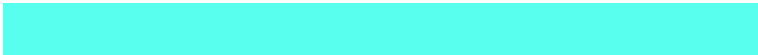
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



155, 246, 192



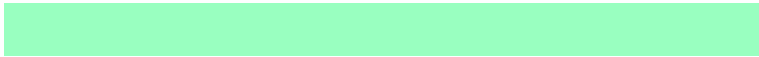
153, 227, 255



88, 176, 255

Triad

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



153, 227, 255



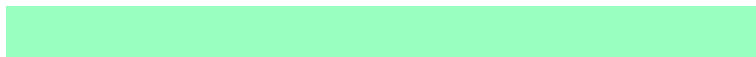
177, 211, 255



255, 209, 185

Complementary

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



153, 227, 255



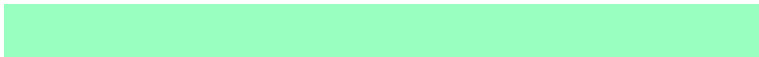
255, 153, 216

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, 198, 229



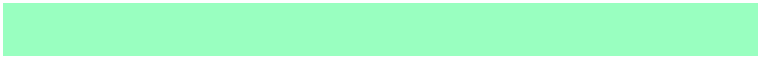
153, 227, 255



247, 220, 255

Square

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



153, 227, 255



93, 172, 255



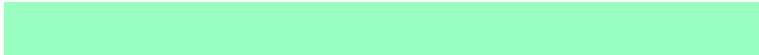
255, 204, 255



212, 255, 152

Rectangle

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



153, 227, 255



38, 147, 255



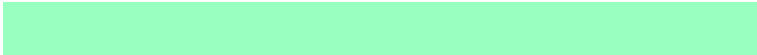
255, 204, 255



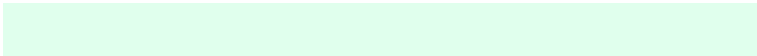
255, 200, 199

Sweetspot

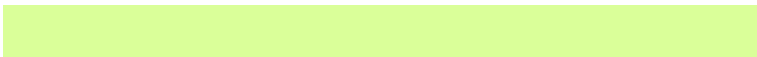
The Sweet Spot groups the original color and five complimentary colors.



153, 227, 255



224, 246, 255



153, 255, 190



110, 124, 128



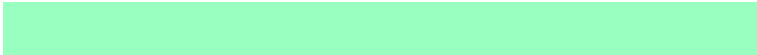
0, 0, 0



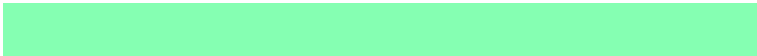
128, 128, 128

Same Dimension

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



153, 227, 255



133, 222, 255



153, 208, 255



115, 124, 128



0, 139, 191



0, 47, 64

Inverse Universe

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



255, 153, 216



255, 133, 209



255, 153, 167



128, 115, 123



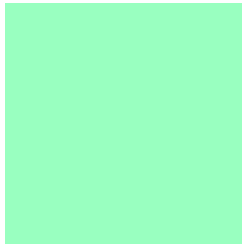
191, 0, 119



64, 0, 40

Previews

White Background



This preview shows how the RYB color 153, 227, 255 looks on a white background.

Color Contrast Check

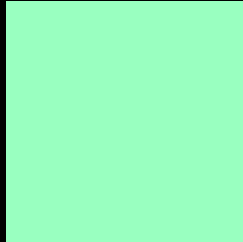
Large Text (above 18pt) WCAG AA × Fail

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, 227, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

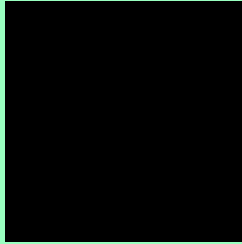
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

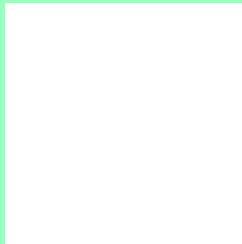
Any Text WCAG AAA ✓ Pass

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

RYB 153, 227, 255 Background



This preview shows how black text looks on a background with the RYB color 153, 227, 255.

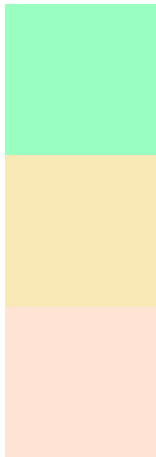


This preview shows how white text looks on a background with the RYB color 153, 227, 255.

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, 227, 255

Protanopia
202, 248, 181

Deuteranopia
255, 235, 212



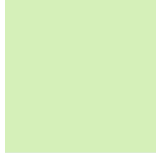
Tritanopia
193, 220, 255

Trichromacy



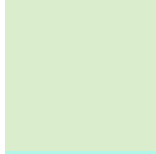
Original Color

153, 227, 255



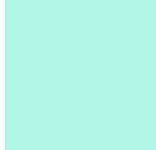
Protanomaly

185, 240, 212



Deuteranomaly

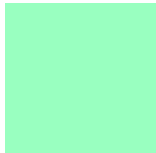
205, 237, 224



Tritanomaly

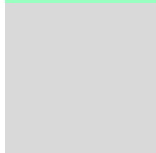
178, 216, 246

Monochromacy



Original Color

153, 227, 255



Achromatopsia

217, 217, 217



Achromatomaly

194, 221, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 227, 255 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, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 192)  
}
```

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, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 192) }
```

Border

The CSS property to change the border of an element to RYB 153, 227, 255 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, 255, 192) }
```

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

```
.border{ border-color:rgb(153, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 153, 227, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 192) }
```

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

```
.background{ background-color: rgb(153,  
255, 192) }
```

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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