

Converting Colors

`RYB(151, 219, 255)`

Have a look what the booklet for
RYB(151, 219, 255) contains.

RYB(151, 219, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(151, 219, 255)

Conversions

Conversions Part 1

Format	Color
Hex	97FFCE
RGB	151, 255, 206
RGB Percent	59%, 100%, 81%
CMY	0.4078, 0.0000, 0.1919
CMYK	0.41, 0.00, 0.19, 0.00
HSL	152°, 100%, 80%
HSV	152°, 41%, 100%
XYZ	59.6702, 82.5584, 71.2204
YIQ	218.3180, -46.2550, -37.2870

Conversions

Conversions Part 2

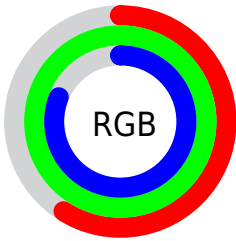
Format	Color
RYB	151, 219, 255
Decimal	9961422
CIELab	92.82, -40.92, 14.01
CIELCh	93, 43.256, 161.101
Yxy	82.5584, 0.2796, 0.3868
Android (android.graphics.Color)	4288151502 (0xFF97FFCE)
YUV	218.3180, -6.0728, -59.0379
Hunter-Lab	90.8617, -41.7842, 17.1297

Details

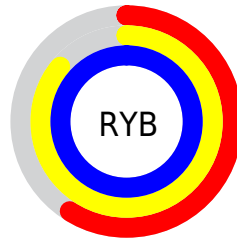
The RYB color **151, 219, 255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **255, 151, 200**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **209, 232, 255**, and **94, 161, 198** is the 20% darker color. If you saturate the color by 10%, you get **126, 210, 255**, and if you desaturate by 10%, it is **177, 228, 255**.

Distribution



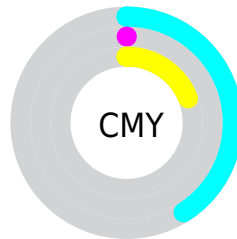
- Red (59%)
- Green (100%)
- Blue (81%)



- Red (59%)
- Yellow (86%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 219, 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 151, 219, 255 by changing the saturation by 10% instead.

 151, 219, 255


255, 255, 255


 209, 232, 255

 238, 247, 255

 151, 219, 255

 123, 190, 226

 94, 161, 198

 65, 131, 170


 30, 99, 143

 0, 71, 117

 0, 58, 92

 0, 45, 67

 0, 36, 44

 0, 18, 18

■ 151, 219, 255

■ 151, 219, 255

■ 126, 210, 255

■ 177, 228, 255

■ 100, 201, 255

■ 202, 237, 255

■ 75, 193, 255

■ 228, 246, 255

■ 49, 184, 255

253, 254, 255

■ 24, 175, 255

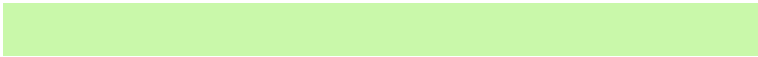
255, 255, 255

■ 0, 167, 255

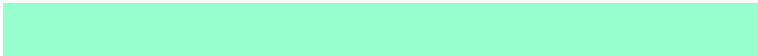
Harmonies

Analogous

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



170, 248, 217



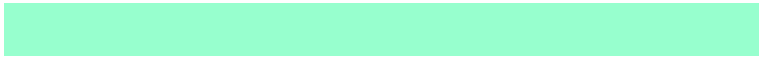
151, 219, 255



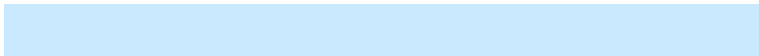
102, 180, 255

Triad

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



151, 219, 255



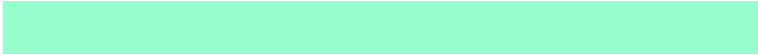
201, 221, 255



255, 227, 182

Complementary

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



151, 219, 255



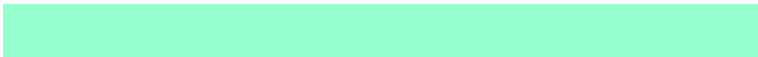
255, 151, 200

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, 203, 220



151, 219, 255



255, 218, 255

Square

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



151, 219, 255



135, 193, 255



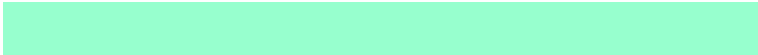
255, 206, 255



203, 255, 156

Rectangle

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



151, 219, 255



84, 170, 255



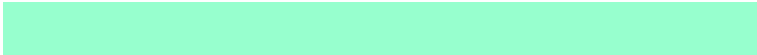
255, 206, 255



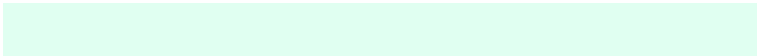
255, 209, 193

Sweetspot

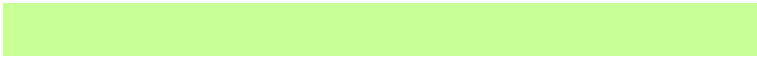
The Sweet Spot groups the original color and five complimentary colors.



151, 219, 255



224, 244, 255



151, 255, 205



110, 122, 128



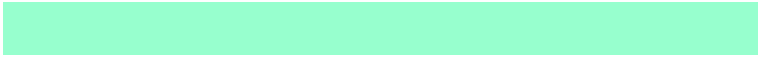
0, 0, 0



128, 128, 128

Same Dimension

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



151, 219, 255



130, 212, 255



151, 202, 255



115, 123, 128



0, 125, 191



0, 42, 64

Inverse Universe

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



255, 151, 200



255, 130, 189



255, 153, 151



128, 115, 121



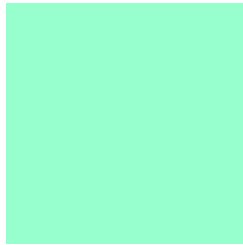
191, 0, 90



64, 0, 30

Previews

White Background



This preview shows how the RYB color 151, 219, 255 looks on a white background.

Color Contrast Check

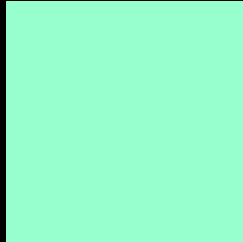
Large Text (above 18pt) WCAG AA × Fail

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 151, 219, 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 151, 219, 255 Background



This preview shows how black text looks on a background with the RYB color 151, 219, 255.

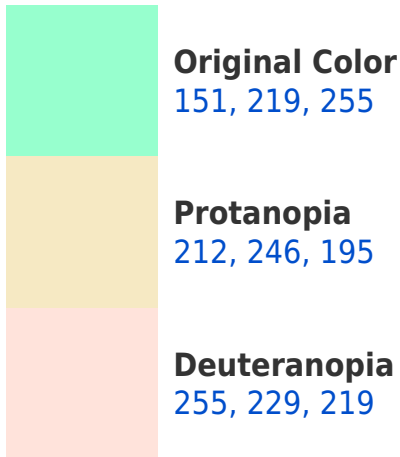


This preview shows how white text looks on a background with the RYB color 151, 219, 255.

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





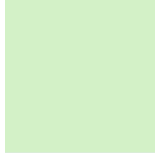
Tritanopia
193, 220, 255

Trichromacy



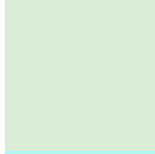
Original Color

151, 219, 255



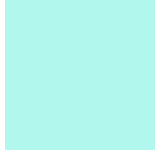
Protanomaly

199, 241, 229



Deuteranomaly

214, 237, 234



Tritanomaly

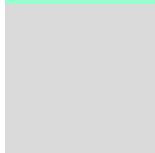
178, 215, 247

Monochromacy



Original Color

151, 219, 255



Achromatopsia

218, 218, 218



Achromatomaly

194, 218, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 219, 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(151, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 206)  
}
```

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(151, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 206) }
```

Border

The CSS property to change the border of an element to RYB 151, 219, 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(151, 255, 206) }
```

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

```
.border{ border-color:rgb(151, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 151, 219, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 206) }
```

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

```
.background{ background-color: rgb(151,  
255, 206) }
```

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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