

Converting Colors

`RYB(145, 253, 222)`

Have a look what the booklet for
RYB(145, 253, 222) contains.

RYB(145, 253, 222)	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

RYB(145, 253, 222)

Conversions

Conversions Part 1

Format	Color
Hex	B0FD91
RGB	176, 253, 145
RGB Percent	69%, 99%, 57%
CMY	0.3098, 0.0078, 0.4314
CMYK	0.30, 0.00, 0.43, 0.01
HSL	103°, 96%, 78%
HSV	103°, 43%, 99%
XYZ	58.1406, 81.5250, 39.4596
YIQ	217.6650, -11.2240, -49.9120

Conversions

Conversions Part 2

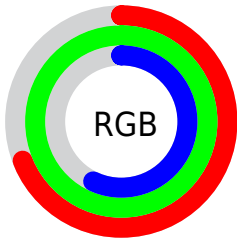
Format	Color
RYB	145, 253, 222
Decimal	11599249
CIELab	92.36, -42.65, 44.24
CIElCh	92, 61.453, 133.948
Yxy	81.5250, 0.3246, 0.4551
Android (android.graphics.Color)	4289789329 (0xFFB0FD91)
YUV	217.6650, -35.8238, -36.5402
Hunter-Lab	90.2912, -43.0693, 37.2925

Details

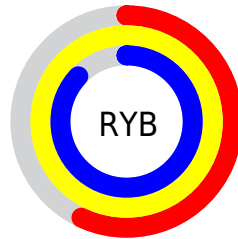
The RYB color **145, 253, 222** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **222, 145, 253**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **200, 255, 221**, and **92, 196, 168** is the 20% darker color. If you saturate the color by 10%, you get **120, 253, 215**, and if you desaturate by 10%, it is **170, 253, 229**.

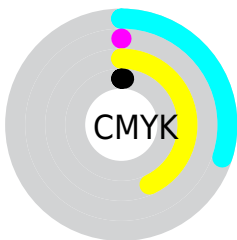
Distribution



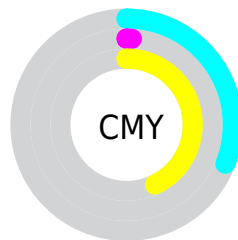
- Red (69%)
- Green (99%)
- Blue (57%)



- Red (57%)
- Yellow (99%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)



- Cyan (31%)
- Magenta (1%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 253, 222 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 145, 253, 222 by changing the saturation by 10% instead.

 145, 253, 222


255, 255, 255


 200, 255, 221


 229, 255, 229

 145, 253, 222

 118, 224, 194

 92, 196, 168

 67, 168, 142


 41, 141, 117

 12, 115, 92

 0, 90, 90

 0, 66, 66

 0, 44, 44

 0, 15, 15

■ 145, 253, 222

■ 145, 253, 222

■ 120, 253, 215

■ 170, 253, 229

■ 94, 253, 207

■ 196, 253, 237

■ 69, 253, 200

■ 221, 253, 244

■ 44, 253, 193

■ 246, 253, 251

■ 19, 253, 186

255, 253, 255

■ 0, 253, 180

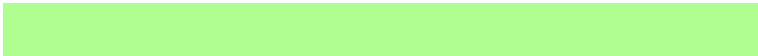
Harmonies

Analogous

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



117, 242, 114



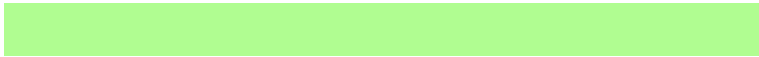
145, 253, 222



84, 187, 255

Triad

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



145, 253, 222



0, 126, 255



255, 184, 208

Complementary

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



145, 253, 222



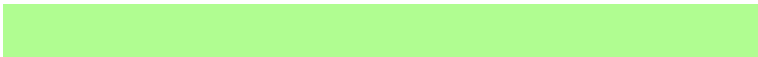
222, 145, 253

Split Complementary

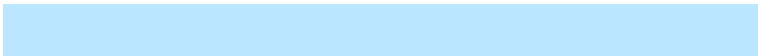
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 188, 255



145, 253, 222



186, 213, 255

Square

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



145, 253, 222



0, 128, 255



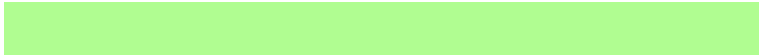
255, 207, 255



255, 229, 154

Rectangle

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



145, 253, 222



0, 132, 255



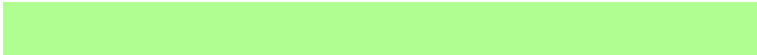
255, 207, 255



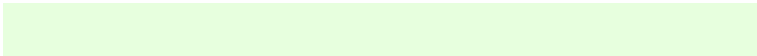
255, 184, 228

Sweetspot

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



145, 253, 222



222, 255, 246



190, 253, 145



107, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

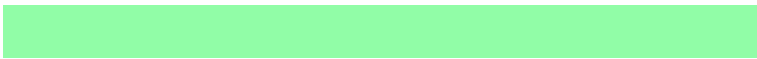
The Same Dimension uses a secret algorithm to generate beautiful new colors.



145, 253, 222



125, 255, 218



145, 235, 253



115, 128, 125



0, 191, 136



0, 64, 46

Inverse Universe

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



222, 145, 253



218, 125, 255



253, 145, 231



124, 115, 128



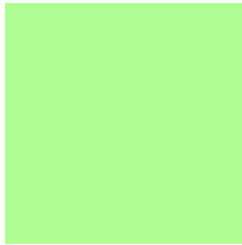
136, 0, 191



45, 0, 64

Previews

White Background



This preview shows how the RYB color 145, 253, 222 looks on a white background.

Color Contrast Check

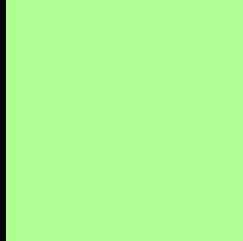
Large Text (above 18pt) WCAG AA × Fail

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 145, 253, 222 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

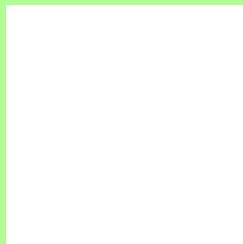
Any Text WCAG AAA ✓ Pass

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

RYB 145, 253, 222 Background



This preview shows how black text looks on a background with the RYB color 145, 253, 222.

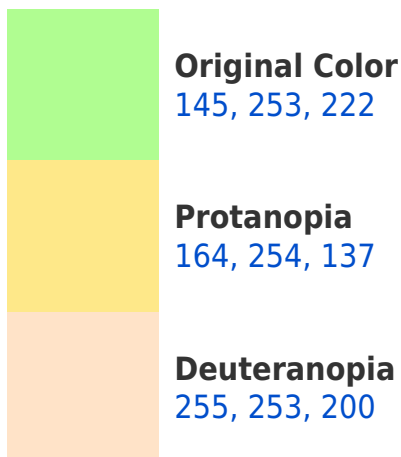


This preview shows how white text looks on a background with the RYB color 145, 253, 222.

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](#).

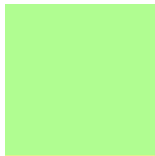
Dichromacy





Tritanopia
201, 223, 255

Trichromacy



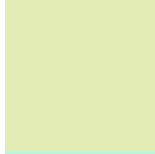
Original Color

145, 253, 222



Protanomaly

140, 240, 154



Deuteranomaly

180, 236, 190



Tritanomaly

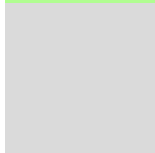
192, 228, 244

Monochromacy



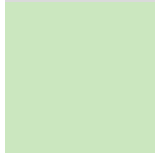
Original Color

145, 253, 222



Achromatopsia

218, 218, 218



Achromatomaly

191, 231, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 253, 222 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(176, 253, 145)` looks like.

```
.text, #text, p{  
    color:rgb(176, 253, 145)  
}
```

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(176, 253, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 253, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 253, 222 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(176, 253, 145) }
```

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

```
.border{ border-color:rgb(176, 253, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 253, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 253, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 253, 145); box-shadow:4px 4px 4px 4px rgb(176, 253, 145) }
```

Background

The CSS property to change the background color of an element to RYB 145, 253, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 253, 145) }
```

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

```
.background{ background-color: rgb(176,  
253, 145) }
```

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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