

Converting Colors

`RYB(146, 245, 223)`

Have a look what the booklet for
RYB(146, 245, 223) contains.

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Color

R_YB(146, 245, 223)

Conversions

Conversions Part 1

Format	Color
Hex	A8F592
RGB	168, 245, 146
RGB Percent	66%, 96%, 57%
CMY	0.3412, 0.0392, 0.4275
CMYK	0.31, 0.00, 0.40, 0.04
HSL	107°, 83%, 77%
HSV	107°, 40%, 96%
XYZ	53.9892, 75.7050, 38.9611
YIQ	210.6910, -14.1130, -47.1130

Conversions

Conversions Part 2

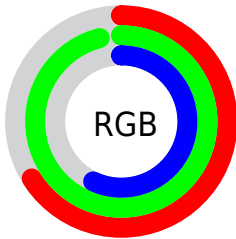
Format	Color
RYB	146, 245, 223
Decimal	11072914
CIELab	89.72, -41.61, 40.29
CIELCh	90, 57.921, 135.923
Yxy	75.7050, 0.3201, 0.4489
Android (android.graphics.Color)	4289262994 (0xFFA8F592)
YUV	210.6910, -31.8927, -37.4400
Hunter-Lab	87.0086, -41.5051, 34.3569

Details

The RYB color **146, 245, 223** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **223, 146, 245**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **201, 255, 231**, and **94, 188, 169** is the 20% darker color. If you saturate the color by 10%, you get **122, 245, 218**, and if you desaturate by 10%, it is **171, 245, 229**.

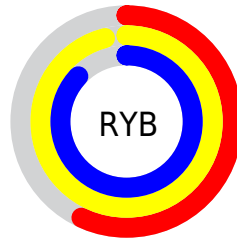
Distribution



Red (66%)

Green (96%)

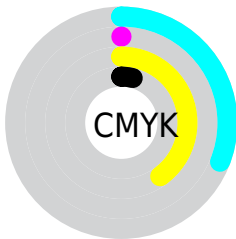
Blue (57%)



Red (57%)

Yellow (96%)

Blue (87%)

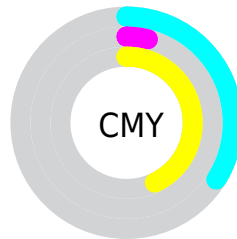


Cyan (31%)

Magenta (0%)

Yellow (40%)

Black (4%)



Cyan (34%)

Magenta (4%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 245, 223 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 146, 245, 223 by changing the saturation by 10% instead.

 146, 245, 223


255, 255, 255


 201, 255, 231


 229, 255, 229

 146, 245, 223


 120, 216, 196

 94, 188, 169


 69, 161, 145

 44, 134, 120

 17, 108, 98

 0, 83, 83

 0, 59, 59

 0, 39, 39

 0, 0, 0

 146, 245, 223

 146, 245, 223

 122, 245, 218

 171, 245, 229

 97, 245, 212

 195, 245, 234

 72, 245, 206

 220, 245, 240

 48, 245, 201

 244, 245, 245

 23, 245, 195

 255, 245, 255

 0, 245, 191

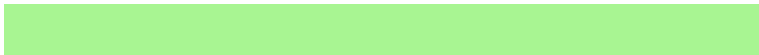
Harmonies

Analogous

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



116, 232, 118



146, 245, 223



82, 183, 252

Triad

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



146, 245, 223



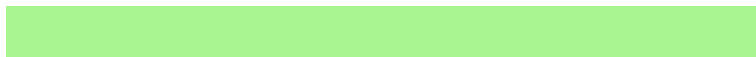
55, 151, 255



255, 181, 198

Complementary

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



146, 245, 223



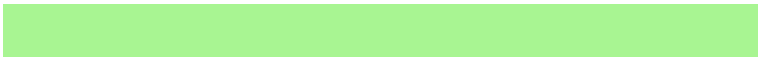
223, 146, 245

Split Complementary

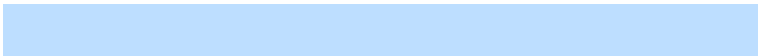
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 183, 254



146, 245, 223



189, 211, 255

Square

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



146, 245, 223



0, 126, 255



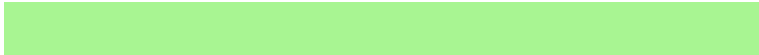
255, 200, 255



255, 229, 148

Rectangle

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



146, 245, 223



0, 132, 254



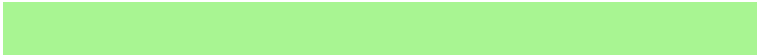
255, 200, 255



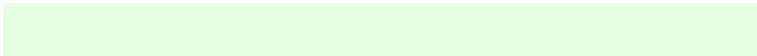
255, 180, 217

Sweetspot

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



146, 245, 223



224, 255, 248



176, 245, 146



110, 128, 124



0, 0, 0



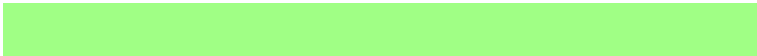
128, 128, 128

Same Dimension

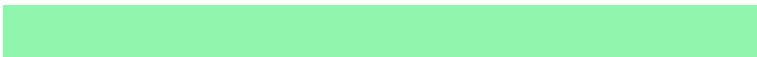
The Same Dimension uses a secret algorithm to generate beautiful new colors.



146, 245, 223



133, 255, 228



146, 224, 245



110, 122, 119



0, 186, 145



0, 59, 46

Inverse Universe

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



223, 146, 245



228, 133, 255



245, 146, 219



120, 110, 122



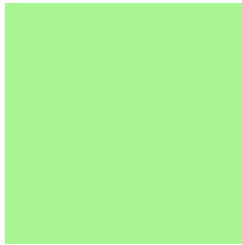
145, 0, 186



46, 0, 59

Previews

White Background



This preview shows how the RYB color 146, 245, 223 looks on a white background.

Color Contrast Check

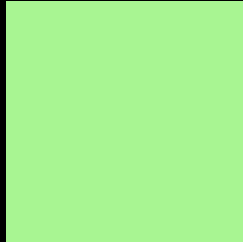
Large Text (above 18pt) WCAG AA × Fail

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 146, 245, 223 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](#).

R Y B 146, 245, 223 Background



This preview shows how black text looks on a background with the RYB color 146, 245, 223.

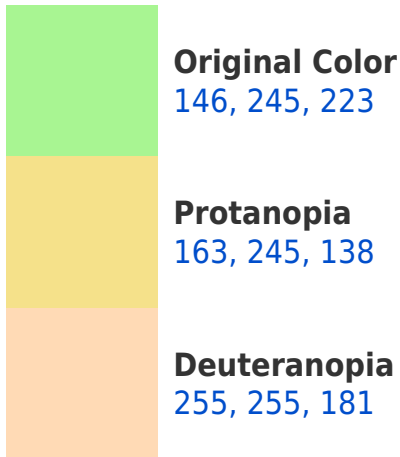



This preview shows how white text looks on a background with the RYB color 146, 245, 223.

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





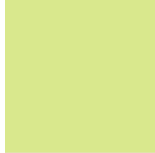
Tritanopia
186, 213, 251

Trichromacy



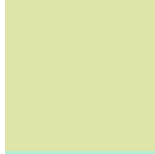
Original Color

146, 245, 223



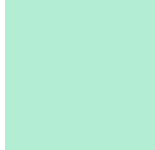
Protanomaly

141, 232, 156



Deuteranomaly

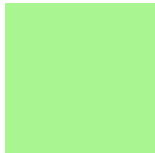
168, 228, 173



Tritanomaly

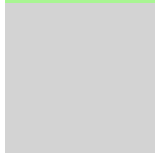
179, 216, 237

Monochromacy



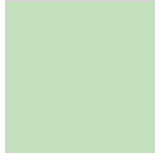
Original Color

146, 245, 223



Achromatopsia

211, 211, 211



Achromatomaly

187, 223, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 245, 223 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(168, 245, 146)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 146)  
}
```

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(168, 245, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 146) }
```

Border

The CSS property to change the border of an element to RYB 146, 245, 223 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(168, 245, 146) }
```

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

```
.border{ border-color:rgb(168, 245, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 245, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 146);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 146, 245, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 146) }
```

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

```
.background{ background-color: rgb(168,  
245, 146) }
```

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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