

Converting Colors

`RYB(146, 251, 233)`

Have a look what the booklet for
RYB(146, 251, 233) contains.

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Color

R_YB(146, 251, 233)

Conversions

Conversions Part 1

Format	Color
Hex	A4FB92
RGB	164, 251, 146
RGB Percent	64%, 98%, 57%
CMY	0.3569, 0.0157, 0.4275
CMYK	0.35, 0.00, 0.42, 0.02
HSL	110°, 93%, 78%
HSV	110°, 42%, 98%
XYZ	54.9953, 78.9622, 39.5368
YIQ	213.0170, -18.1470, -51.0990

Conversions

Conversions Part 2

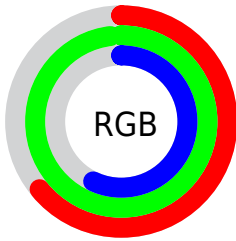
Format	Color
RYB	146, 251, 233
Decimal	10812306
CIELab	91.22, -45.50, 42.17
CIElCh	91, 62.037, 137.172
Yxy	78.9622, 0.3170, 0.4551
Android (android.graphics.Color)	4289002386 (0xFFA4FB92)
YUV	213.0170, -33.0394, -42.9879
Hunter-Lab	88.8607, -45.0336, 35.8226

Details

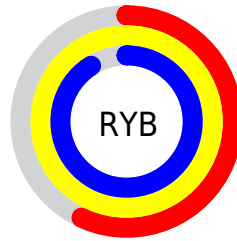
The RYB color **146, 251, 233** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **233, 146, 251**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **201, 255, 234**, and **94, 194, 180** is the 20% darker color. If you saturate the color by 10%, you get **121, 251, 229**, and if you desaturate by 10%, it is **171, 251, 237**.

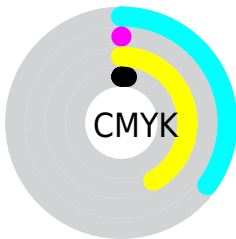
Distribution



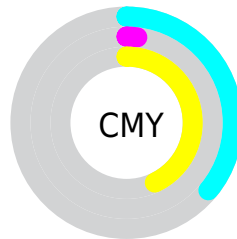
- Red (64%)
- Green (98%)
- Blue (57%)



- Red (57%)
- Yellow (98%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)



- Cyan (36%)
- Magenta (2%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 251, 233 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, 251, 233 by changing the saturation by 10% instead.

 146, 251, 233


255, 255, 255


 201, 255, 234


 230, 255, 234


 146, 251, 233

 119, 222, 205


 94, 194, 180

 68, 166, 154

 43, 139, 131

 12, 110, 113

 0, 88, 88


 0, 64, 64


 0, 42, 42

 0, 8, 8

 146, 251, 233

 146, 251, 233

 121, 251, 229

 171, 251, 237

 96, 251, 225

 196, 251, 241

 71, 251, 220

 221, 251, 246

 46, 251, 216

 246, 251, 250

 20, 251, 211

 255, 251, 255

 0, 251, 208

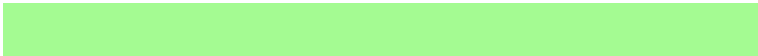
Harmonies

Analogous

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



112, 237, 117



146, 251, 233



59, 173, 255

Triad

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



146, 251, 233



16, 133, 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, 251, 233



233, 146, 251

Split Complementary

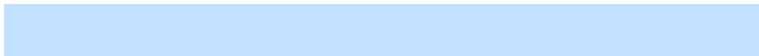
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 183, 255



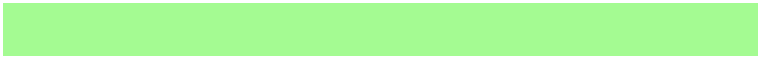
146, 251, 233



193, 214, 255

Square

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



146, 251, 233



0, 128, 255



255, 201, 255



255, 240, 145

Rectangle

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



146, 251, 233



0, 131, 255



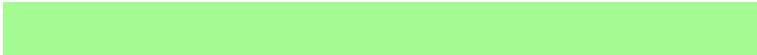
255, 201, 255



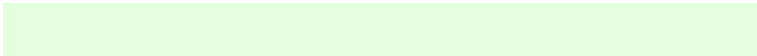
255, 180, 218

Sweetspot

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



146, 251, 233



222, 255, 249



169, 251, 146



107, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

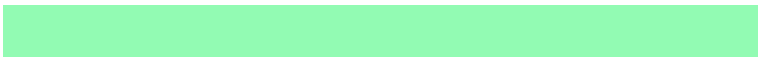
The Same Dimension uses a secret algorithm to generate beautiful new colors.



146, 251, 233



128, 255, 234



146, 226, 251



112, 125, 122



0, 189, 157



0, 61, 51

Inverse Universe

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



233, 146, 251



233, 128, 255



251, 146, 218



123, 112, 125



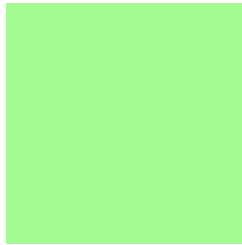
156, 0, 189



51, 0, 61

Previews

White Background



This preview shows how the RYB color 146, 251, 233 looks on a white background.

Color Contrast Check

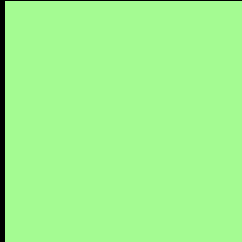
Large Text (above 18pt) WCAG AA × Fail

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, 251, 233 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 146, 251, 233 Background



This preview shows how black text looks on a background with the RYB color 146, 251, 233.

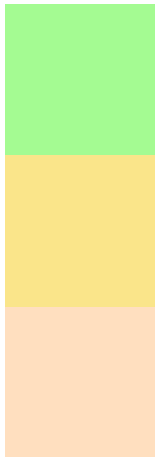


This preview shows how white text looks on a background with the RYB color 146, 251, 233.

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
146, 251, 233

Protanopia
164, 250, 138

Deuteranopia
255, 255, 191



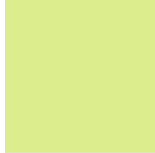
Tritanopia
188, 216, 255

Trichromacy



Original Color

146, 251, 233



Protanomaly

141, 237, 159



Deuteranomaly

175, 233, 186



Tritanomaly

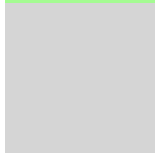
179, 219, 242

Monochromacy



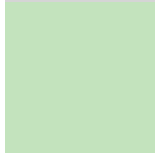
Original Color

146, 251, 233



Achromatopsia

213, 213, 213



Achromatomaly

189, 227, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 251, 233 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(164, 251, 146)` looks like.

```
.text, #text, p{  
    color:rgb(164, 251, 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(164, 251, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 251, 146) }
```

Border

The CSS property to change the border of an element to RYB 146, 251, 233 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(164, 251, 146) }
```

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

```
.border{ border-color:rgb(164, 251, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 251, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 251, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 251, 146);  
box-shadow:4px 4px 4px 4px rgb(164, 251,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 146, 251, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 251, 146) }
```

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

```
.background{ background-color: rgb(164,  
251, 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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