

Converting Colors

`RYB(146, 218, 254)`

Have a look what the booklet for
RYB(146, 218, 254) contains.

RYB(146, 218, 254)	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(146, 218, 254)

Conversions

Conversions Part 1

Format	Color
Hex	92FEC8
RGB	146, 254, 200
RGB Percent	57%, 100%, 78%
CMY	0.4275, 0.0039, 0.2157
CMYK	0.43, 0.00, 0.21, 0.00
HSL	150°, 98%, 78%
HSV	150°, 43%, 100%
XYZ	57.7212, 81.1647, 67.2677
YIQ	215.5520, -47.0340, -39.6900

Conversions

Conversions Part 2

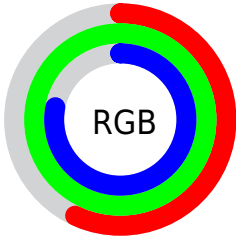
Format	Color
RYB	146, 218, 254
Decimal	9633480
CIELab	92.20, -42.98, 16.22
CIELCh	92, 45.942, 159.323
Yxy	81.1647, 0.2800, 0.3937
Android (android.graphics.Color)	4287823560 (0xFF92FEC8)
YUV	215.5520, -7.6671, -60.9971
Hunter-Lab	90.0915, -43.2960, 18.7946

Details

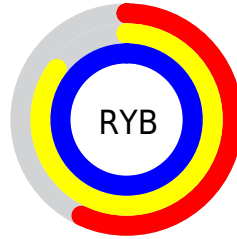
The RYB color **146, 218, 254** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **254, 146, 200**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **204, 230, 255**, and **89, 160, 197** is the 20% darker color. If you saturate the color by 10%, you get **121, 210, 254**, and if you desaturate by 10%, it is **171, 226, 254**.

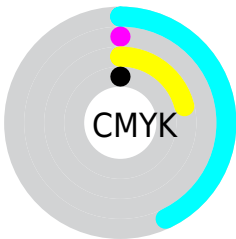
Distribution



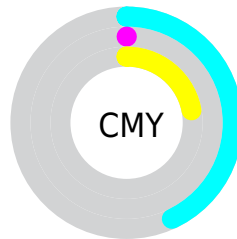
- Red (57%)
- Green (100%)
- Blue (78%)



- Red (57%)
- Yellow (85%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the RYB color 146, 218, 254 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, 218, 254 by changing the saturation by 10% instead.

 146, 218, 254

 146, 218, 254


255, 255, 255

 117, 188, 225

 204, 230, 255

 89, 160, 197

 233, 244, 255

 58, 129, 169


 19, 95, 142

 0, 72, 116

 0, 58, 90

 0, 47, 66

 0, 41, 44

 0, 14, 14

 146, 218, 254


 146, 218, 254

 121, 210, 254


 171, 226, 254

 95, 201, 254


 197, 235, 254

 70, 193, 254


 222, 243, 254

 44, 184, 254

 248, 252, 254

 19, 175, 254

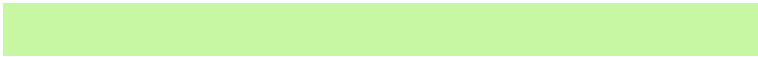
255, 254, 255

 0, 169, 254

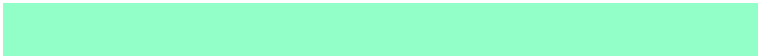
Harmonies

Analogous

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



163, 247, 210



146, 218, 254



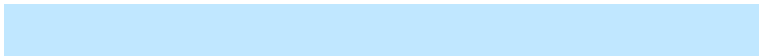
87, 174, 255

Triad

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



146, 218, 254



192, 216, 255



255, 219, 179

Complementary

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



146, 218, 254



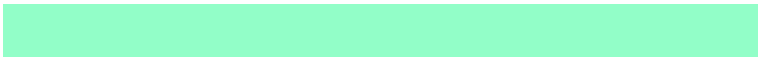
254, 146, 200

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, 198, 220



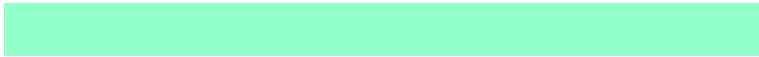
146, 218, 254



255, 216, 255

Square

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



146, 218, 254



118, 184, 255



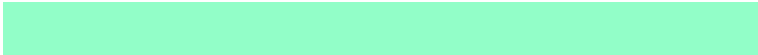
255, 203, 255



206, 255, 151

Rectangle

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



146, 218, 254



58, 157, 255



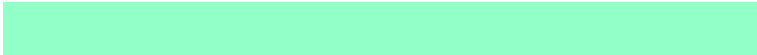
255, 203, 255



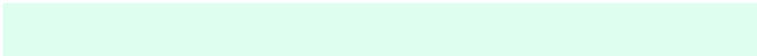
255, 204, 192

Sweetspot

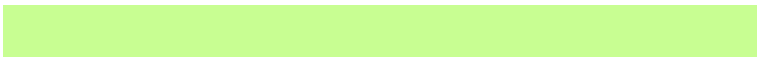
The Sweet Spot groups the original color and five complimentary colors.



146, 218, 254



222, 244, 255



146, 254, 200



107, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



146, 218, 254



125, 212, 255



146, 200, 254



115, 124, 128



0, 127, 191



0, 43, 64

Inverse Universe

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



254, 146, 200



255, 125, 190



254, 146, 146



128, 115, 121



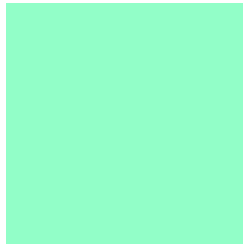
191, 0, 96



64, 0, 32

Previews

White Background



This preview shows how the RYB color 146, 218, 254 looks on a white background.

Color Contrast Check

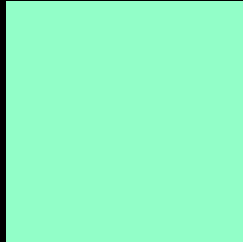
Large Text (above 18pt) WCAG AA × Fail

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, 218, 254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

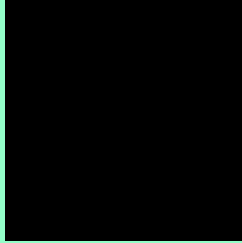
Any Text WCAG AA ✓ Pass

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, 218, 254 Background



This preview shows how black text looks on a background with the RYB color 146, 218, 254.

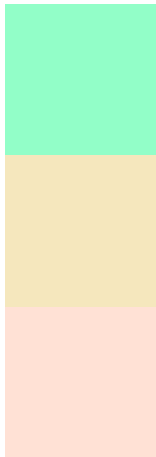


This preview shows how white text looks on a background with the RYB color 146, 218, 254.

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, 218, 254

Protanopia
208, 245, 189

Deuteranopia
255, 230, 213



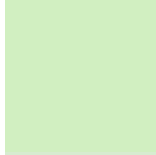
Tritanopia
187, 217, 255

Trichromacy



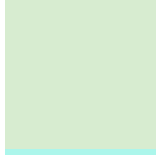
Original Color

146, 218, 254



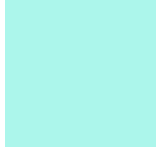
Protanomaly

193, 239, 223



Deuteranomaly

208, 236, 229



Tritanomaly

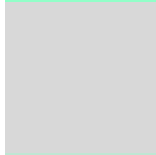
172, 212, 246

Monochromacy



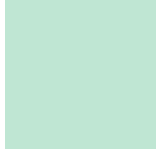
Original Color

146, 218, 254



Achromatopsia

216, 216, 216



Achromatomaly

191, 217, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 218, 254 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(146, 254, 200)` looks like.

```
.text, #text, p{  
    color:rgb(146, 254, 200)  
}
```

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(146, 254, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 254, 200) }
```

Border

The CSS property to change the border of an element to RYB 146, 218, 254 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(146, 254, 200) }
```

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

```
.border{ border-color:rgb(146, 254, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 254, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 254, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 254, 200);  
box-shadow:4px 4px 4px 4px rgb(146, 254,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 146, 218, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 254, 200) }
```

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

```
.background{ background-color: rgb(146,  
254, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor