

Converting Colors

`RYB(149, 253, 240)`

Have a look what the booklet for
RYB(149, 253, 240) contains.

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Color

R_YB(149, 253, 240)

Conversions

Conversions Part 1

Format	Color
Hex	A2FD95
RGB	162, 253, 149
RGB Percent	64%, 99%, 58%
CMY	0.3647, 0.0078, 0.4157
CMYK	0.36, 0.00, 0.41, 0.01
HSL	113°, 96%, 79%
HSV	113°, 41%, 99%
XYZ	55.4504, 80.1019, 40.9724
YIQ	213.9350, -20.8520, -51.6360

Conversions

Conversions Part 2

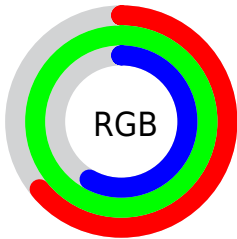
Format	Color
RYB	149, 253, 240
Decimal	10681749
CIELab	91.73, -46.57, 41.35
CIELCh	92, 62.275, 138.394
Yxy	80.1019, 0.3141, 0.4538
Android (android.graphics.Color)	4288871829 (0xFFA2FD95)
YUV	213.9350, -32.0130, -45.5470
Hunter-Lab	89.4996, -46.0330, 35.5071

Details

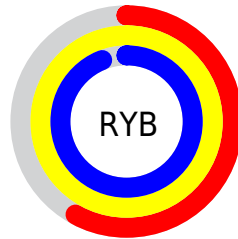
The RYB color **149, 253, 240** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **240, 149, 253**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **204, 255, 239**, and **96, 196, 186** is the 20% darker color. If you saturate the color by 10%, you get **124, 253, 237**, and if you desaturate by 10%, it is **174, 253, 243**.

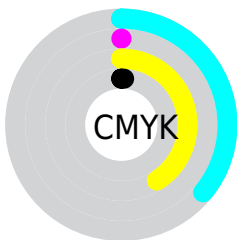
Distribution



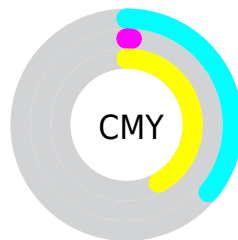
- Red (64%)
- Green (99%)
- Blue (58%)



- Red (58%)
- Yellow (99%)
- Blue (94%)



- Cyan (36%)
- Magenta (0%)
- Yellow (41%)
- Black (1%)



- Cyan (36%)
- Magenta (1%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 149, 253, 240 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 149, 253, 240 by changing the saturation by 10% instead.

 149, 253, 240


255, 255, 255


 204, 255, 239


 233, 255, 239

 149, 253, 240

 122, 224, 212

 96, 196, 186

 71, 168, 162

 46, 141, 140

 4, 102, 115

 0, 90, 90

 0, 65, 65

 0, 44, 44

 0, 12, 12

■ 149, 253, 240

■ 149, 253, 240

■ 124, 253, 237

■ 174, 253, 243

■ 98, 253, 233

■ 200, 253, 247

■ 73, 253, 230

■ 225, 253, 250

■ 48, 253, 228

■ 250, 253, 252

■ 22, 253, 224

■ 255, 253, 255

■ 0, 253, 221

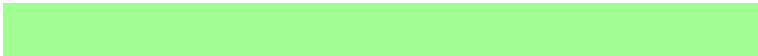
Harmonies

Analogous

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



113, 239, 121



149, 253, 240



51, 167, 255

Triad

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



149, 253, 240



41, 145, 255



255, 183, 197

Complementary

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



149, 253, 240



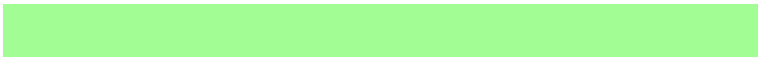
240, 149, 253

Split Complementary

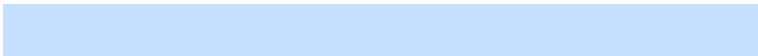
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 184, 255



149, 253, 240



198, 216, 255

Square

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



149, 253, 240



0, 128, 255



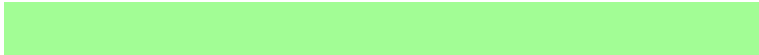
255, 201, 255



255, 249, 144

Rectangle

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



149, 253, 240



0, 130, 255



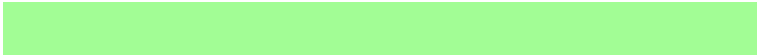
255, 201, 255



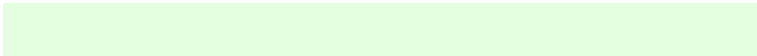
255, 181, 217

Sweetspot

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



149, 253, 240



224, 255, 251



165, 253, 149



110, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

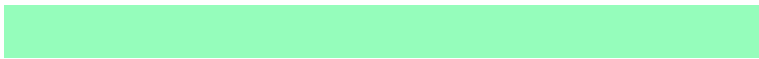
The Same Dimension uses a secret algorithm to generate beautiful new colors.



149, 253, 240



130, 255, 239



149, 225, 253



115, 128, 127



0, 191, 167



0, 64, 56

Inverse Universe

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



240, 149, 253



239, 130, 255



253, 149, 215



126, 115, 128



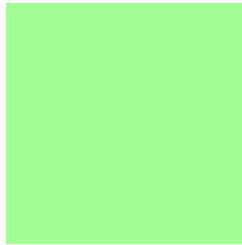
167, 0, 191



56, 0, 64

Previews

White Background



This preview shows how the RYB color 149, 253, 240 looks on a white background.

Color Contrast Check

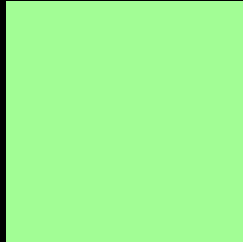
Large Text (above 18pt) WCAG AA × Fail

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 149, 253, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

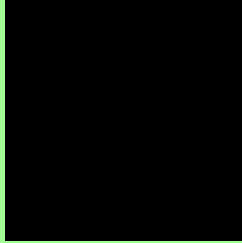
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

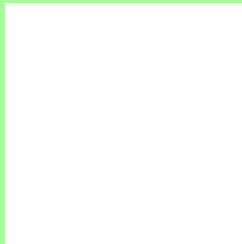
Any Text WCAG AAA ✓ Pass

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

RYB 149, 253, 240 Background



This preview shows how black text looks on a background with the RYB color 149, 253, 240.

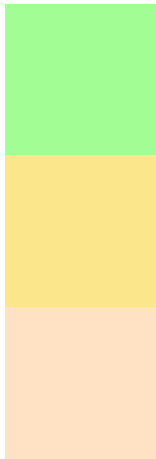


This preview shows how white text looks on a background with the RYB color 149, 253, 240.

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
149, 253, 240

Protanopia
166, 251, 140

Deuteranopia
255, 253, 196



Tritanopia
190, 218, 255

Trichromacy



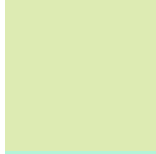
Original Color

149, 253, 240



Protanomaly

143, 238, 162



Deuteranomaly

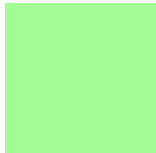
179, 235, 193



Tritanomaly

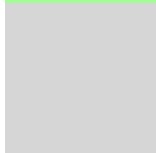
180, 221, 244

Monochromacy



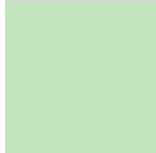
Original Color

149, 253, 240



Achromatopsia

214, 214, 214



Achromatomaly

190, 228, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 149, 253, 240 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(162, 253, 149)` looks like.

```
.text, #text, p{  
    color:rgb(162, 253, 149)  
}
```

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(162, 253, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 253, 149) }
```

Border

The CSS property to change the border of an element to RYB 149, 253, 240 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(162, 253, 149) }
```

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

```
.border{ border-color:rgb(162, 253, 149) }
```

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

Here you see how a box with a 4 pixel rgb(162, 253, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 253, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 253, 149);  
box-shadow:4px 4px 4px 4px rgb(162, 253,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 149, 253, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 253, 149) }
```

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

```
.background{ background-color: rgb(162,  
253, 149) }
```

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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