

Converting Colors

`RYB(149, 196, 239)`

Have a look what the booklet for
RYB(149, 196, 239) contains.

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Color

R_YB(149, 196, 239)

Conversions

Conversions Part 1

Format	Color
Hex	95EFE7
RGB	149, 239, 231
RGB Percent	58%, 94%, 91%
CMY	0.4157, 0.0627, 0.0928
CMYK	0.38, 0.00, 0.03, 0.06
HSL	175°, 74%, 76%
HSV	175°, 38%, 94%
XYZ	57.7329, 73.9113, 87.0771
YIQ	211.1780, -51.0720, -21.5680

Conversions

Conversions Part 2

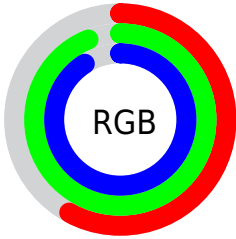
Format	Color
RYB	149, 196, 239
Decimal	9826279
CIELab	88.88, -28.63, -4.81
CIElCh	89, 29.027, 189.547
Yxy	73.9113, 0.2640, 0.3379
Android (android.graphics.Color)	4288016359 (0xFF95EFE7)
YUV	211.1780, 9.7722, -54.5301
Hunter-Lab	85.9717, -30.5818, 0.1279

Details

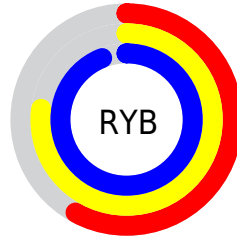
The RYB color **149, 196, 239** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **239, 149, 157**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **206, 231, 255**, and **93, 140, 183** is the 20% darker color. If you saturate the color by 10%, you get **125, 185, 239**, and if you desaturate by 10%, it is **173, 208, 239**.

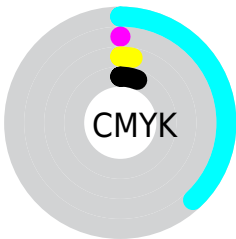
Distribution



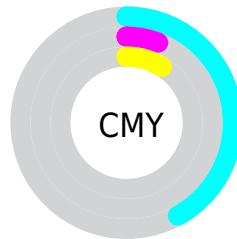
- Red (58%)
- Green (94%)
- Blue (91%)



- Red (58%)
- Yellow (77%)
- Blue (94%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (42%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 149, 196, 239 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, 196, 239 by changing the saturation by 10% instead.


 149, 196, 239


255, 255, 255


 206, 231, 255


 236, 246, 255

 149, 196, 239

 121, 168, 211

 93, 140, 183


 64, 112, 156

 30, 81, 129

 0, 53, 104

 0, 41, 79

 0, 29, 56

 0, 19, 35


 0, 0, 7

 149, 196, 239


 149, 196, 239

 125, 185, 239


 173, 208, 239

 101, 173, 239


 197, 219, 239

 77, 162, 239

 221, 231, 239

 53, 150, 239

 245, 239, 239

 30, 139, 239

 255, 239, 242

 6, 128, 239

 255, 239, 244

 0, 125, 239

 255, 239, 246

 255, 239, 248

 255, 239, 250

Harmonies

Analogous

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



173, 217, 237



149, 196, 239



145, 195, 255

Triad

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



149, 196, 239



239, 213, 255



249, 255, 172

Complementary

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



149, 196, 239



239, 149, 157

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, 214, 189



149, 196, 239



255, 206, 243

Square

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



149, 196, 239



202, 217, 255



255, 203, 215



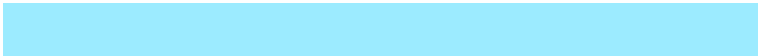
182, 235, 169

Rectangle

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



149, 196, 239



156, 200, 255



255, 203, 215



255, 242, 176

Sweetspot

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



149, 196, 239



227, 242, 255



149, 239, 230



111, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



149, 196, 239



140, 200, 255



149, 183, 239



108, 114, 120



0, 96, 184



0, 29, 56

Inverse Universe

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



239, 149, 157



255, 140, 150



239, 209, 149



120, 108, 109



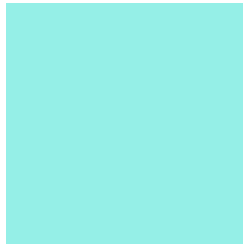
184, 0, 16



56, 0, 5

Previews

White Background



This preview shows how the RYB color 149, 196, 239 looks on a white background.

Color Contrast Check

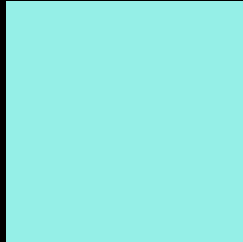
Large Text (above 18pt) WCAG AA × Fail

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, 196, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

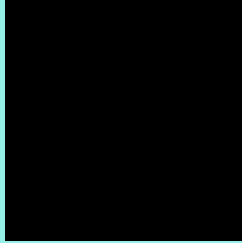
Any Text WCAG AA ✓ Pass

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, 196, 239 Background



This preview shows how black text looks on a background with the RYB color 149, 196, 239.




This preview shows how white text looks on a background with the RYB color 149, 196, 239.

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





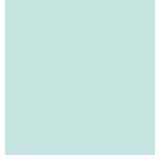
Tritanopia
155, 199, 254

Trichromacy



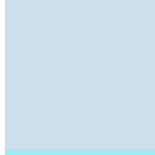
Original Color

149, 196, 239



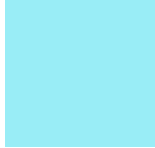
Protanomaly

198, 214, 228



Deuteranomaly

205, 216, 234



Tritanomaly

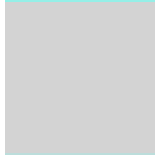
153, 197, 246

Monochromacy



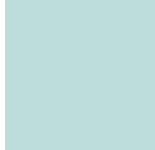
Original Color

149, 196, 239



Achromatopsia

211, 211, 211



Achromatomaly

188, 205, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 149, 196, 239 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(149, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(149, 239, 231)  
}
```

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(149, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 239, 231) }
```

Border

The CSS property to change the border of an element to RYB 149, 196, 239 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(149, 239, 231) }
```

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

```
.border{ border-color:rgb(149, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(149, 239,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 149, 196, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 239, 231) }
```

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

```
.background{ background-color: rgb(149,  
239, 231) }
```

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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