

Converting Colors

`RYB(129, 198, 226)`

Have a look what the booklet for
RYB(129, 198, 226) contains.

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Color

R_YB(129, 198, 226)

Conversions

Conversions Part 1

Format	Color
Hex	81E2A8
RGB	129, 226, 168
RGB Percent	51%, 89%, 66%
CMY	0.4941, 0.1137, 0.3398
CMYK	0.43, 0.00, 0.26, 0.11
HSL	144°, 63%, 70%
HSV	144°, 43%, 89%
XYZ	43.3513, 61.9005, 46.8862
YIQ	190.3850, -39.1940, -38.6020

Conversions

Conversions Part 2

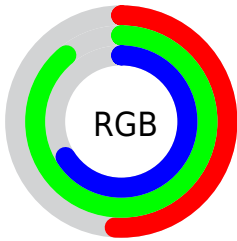
Format	Color
RYB	129, 198, 226
Decimal	8512168
CIELab	82.86, -41.24, 19.42
CIELCh	83, 45.587, 154.785
Yxy	61.9005, 0.2849, 0.4069
Android (android.graphics.Color)	4286702248 (0xFF81E2A8)
YUV	190.3850, -11.0358, -53.8346
Hunter-Lab	78.6769, -39.3303, 19.7409

Details

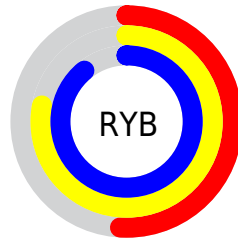
The RYB color **129, 198, 226** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **226, 129, 187**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **186, 231, 255**, and **73, 140, 170** is the 20% darker color. If you saturate the color by 10%, you get **106, 191, 226**, and if you desaturate by 10%, it is **152, 205, 226**.

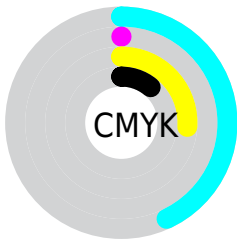
Distribution



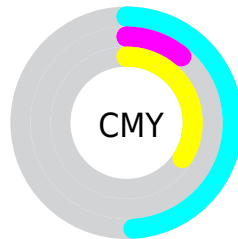
- Red (51%)
- Green (89%)
- Blue (66%)



- Red (51%)
- Yellow (78%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 198, 226 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 129, 198, 226 by changing the saturation by 10% instead.

 129, 198, 226


255, 255, 255


 186, 230, 255


 215, 236, 255

 244, 250, 255

 129, 198, 226

 101, 169, 198

 73, 140, 170


 42, 110, 143

 0, 74, 117

 0, 62, 92

 0, 50, 67


 0, 44, 44

 0, 18, 18


 0, 0, 0

 129, 198, 226


 129, 198, 226

 106, 191, 226


 152, 205, 226

 84, 185, 226


 174, 211, 226

 61, 178, 226


 197, 218, 226

 39, 172, 226

 219, 224, 226

 16, 165, 226

 242, 226, 236

 0, 161, 226

 255, 226, 249

 255, 226, 255

Harmonies

Analogous

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



134, 218, 170



129, 198, 226



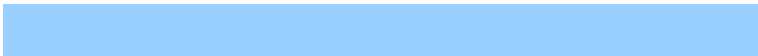
62, 150, 229

Triad

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



129, 198, 226



154, 189, 255



255, 182, 160

Complementary

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



129, 198, 226



226, 129, 187

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, 172, 201



129, 198, 226



220, 193, 255

Square

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



129, 198, 226



71, 153, 255



255, 178, 244



255, 249, 130

Rectangle

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



129, 198, 226



0, 117, 241



255, 178, 244



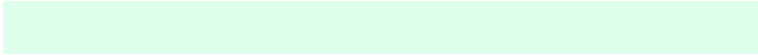
255, 175, 173

Sweetspot

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



129, 198, 226



222, 246, 255



129, 226, 168



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 198, 226



122, 217, 255



129, 180, 226



101, 109, 112



0, 125, 176



0, 34, 48

Inverse Universe

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



226, 129, 187



255, 122, 201



226, 129, 139



112, 101, 108



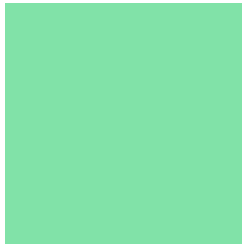
176, 0, 105



48, 0, 29

Previews

White Background



This preview shows how the RYB color 129, 198, 226 looks on a white background.

Color Contrast Check

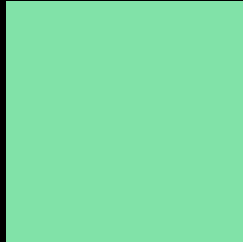
Large Text (above 18pt) WCAG AA × Fail

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 129, 198, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

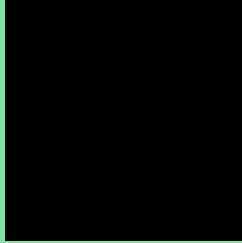
Any Text WCAG AA ✓ Pass

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 129, 198, 226 Background



This preview shows how black text looks on a background with the RYB color 129, 198, 226.

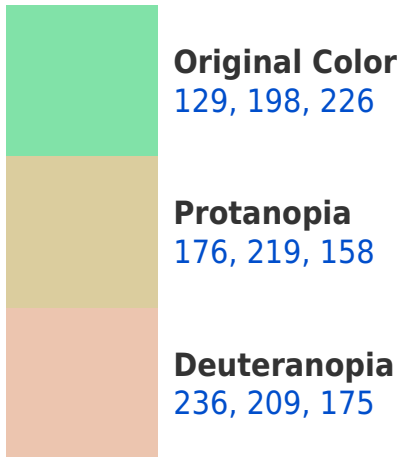


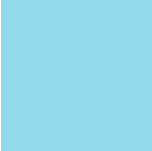
This preview shows how white text looks on a background with the RYB color 129, 198, 226.

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
145, 185, 235

Trichromacy



Original Color

129, 198, 226



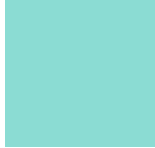
Protanomaly

162, 213, 189



Deuteranomaly

173, 208, 184



Tritanomaly

139, 182, 220

Monochromacy



Original Color

129, 198, 226



Achromatopsia

190, 190, 190



Achromatomaly

168, 193, 203

CSS Examples

Text

The CSS property to change the color of the text to RGB 129, 198, 226 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(129, 226, 168) looks like.

```
.text, #text, p{  
    color:rgb(129, 226, 168)  
}
```

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(129, 226, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 226, 168) }
```

Border

The CSS property to change the border of an element to RYB 129, 198, 226 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(129, 226, 168) }
```

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

```
.border{ border-color:rgb(129, 226, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 226, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 226, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 226, 168); box-shadow:4px 4px 4px 4px rgb(129, 226, 168) }
```

Background

The CSS property to change the background color of an element to RYB 129, 198, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 226, 168) }
```

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

```
.background{ background-color: rgb(129,  
226, 168) }
```

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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