

Converting Colors

`RYB(129, 167, 214)`

Have a look what the booklet for RYB(129, 167, 214) contains.

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Color

R_YB(129, 167, 214)

Conversions

Conversions Part 1

Format	Color
Hex	81C6D6
RGB	129, 198, 214
RGB Percent	51%, 78%, 84%
CMY	0.4941, 0.2246, 0.1608
CMYK	0.40, 0.08, 0.00, 0.16
HSL	191°, 51%, 67%
HSV	191°, 40%, 84%
XYZ	41.3218, 49.7840, 71.0497
YIQ	179.1930, -46.2600, -9.6520

Conversions

Conversions Part 2

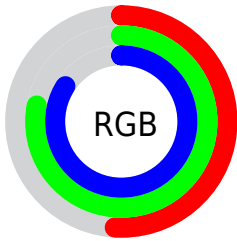
Format	Color
RYB	129, 167, 214
Decimal	8505046
CIELab	75.94, -17.50, -14.96
CIElCh	76, 23.025, 220.527
Yxy	49.7840, 0.2548, 0.3070
Android (android.graphics.Color)	4286695126 (0xFF81C6D6)
YUV	179.1930, 17.1599, -44.0193
Hunter-Lab	70.5578, -18.9386, -10.3129

Details

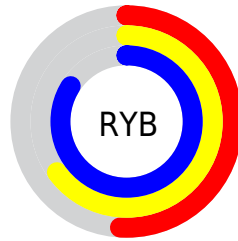
The RYB color **129, 167, 214** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **214, 149, 129**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **185, 220, 255**, and **74, 112, 159** is the 20% darker color. If you saturate the color by 10%, you get **108, 155, 214**, and if you desaturate by 10%, it is **150, 179, 214**.

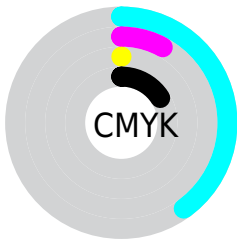
Distribution



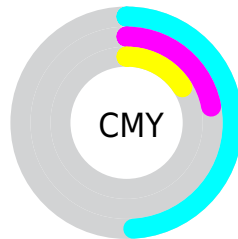
- Red (51%)
- Green (78%)
- Blue (84%)



- Red (51%)
- Yellow (65%)
- Blue (84%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)




- Cyan (49%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 129, 167, 214 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, 167, 214 by changing the saturation by 10% instead.


 129, 167, 214

 129, 167, 214

255, 255, 255

 101, 139, 186

 185, 220, 255

 74, 112, 159

 214, 235, 255


 45, 85, 133

 243, 249, 255

 4, 52, 108

 0, 38, 84

 0, 26, 60


 0, 16, 39


 0, 1, 18


 0, 0, 0


 129, 167, 214


 129, 167, 214

 108, 155, 214


 150, 179, 214

 86, 143, 214


 172, 191, 214

 65, 131, 214


 193, 202, 214

 43, 119, 214


 215, 214, 214

 22, 108, 214

 236, 219, 214

 1, 96, 214

 255, 224, 214

 0, 96, 214

 255, 231, 214

 255, 243, 214

 253, 255, 214

Harmonies

Analogous

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



131, 166, 199



129, 167, 214



145, 175, 227

Triad

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



129, 167, 214



221, 174, 202



154, 196, 145

Complementary

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



129, 167, 214



214, 149, 129

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.



216, 212, 148



129, 167, 214



231, 172, 180

Square

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



129, 167, 214



200, 179, 220



228, 179, 161



154, 194, 176

Rectangle

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



129, 167, 214



163, 182, 229



228, 179, 161



169, 203, 145

Sweetspot

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



129, 167, 214



224, 238, 255



129, 201, 214



110, 118, 128



0, 0, 0



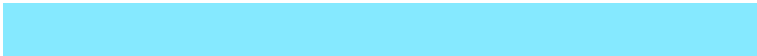
128, 128, 128

Same Dimension

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



129, 167, 214



133, 188, 255



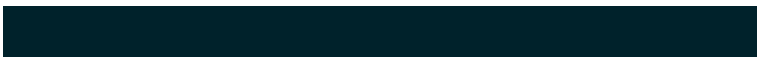
129, 149, 214



96, 101, 107



0, 76, 171



0, 19, 43

Inverse Universe

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



214, 129, 198



255, 133, 232



169, 214, 129



107, 96, 105



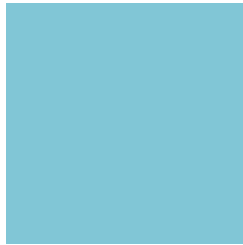
171, 0, 138



43, 0, 35

Previews

White Background



This preview shows how the RYB color 129, 167, 214 looks on a white background.

Color Contrast Check

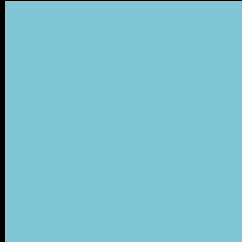
Large Text (above 18pt) WCAG AA × Fail

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, 167, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

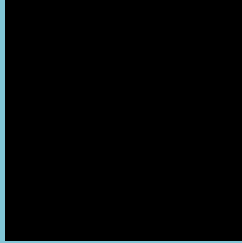
Any Text WCAG AA ✓ Pass

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, 167, 214 Background



This preview shows how black text looks on a background with the RYB color 129, 167, 214.

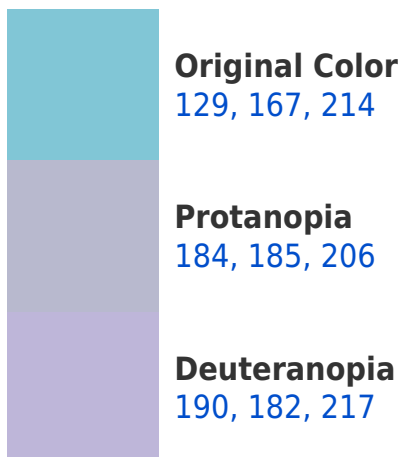


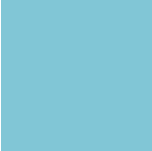
This preview shows how white text looks on a background with the RYB color 129, 167, 214.

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
129, 167, 214

Trichromacy



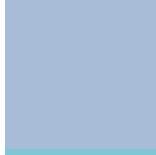
Original Color

129, 167, 214



Protanomaly

164, 180, 209



Deuteranomaly

168, 182, 216



Tritanomaly

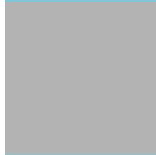
129, 167, 214

Monochromacy



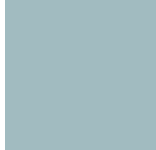
Original Color

129, 167, 214



Achromatopsia

179, 179, 179



Achromatomaly

161, 175, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 167, 214 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, 198, 214)` looks like.

```
.text, #text, p{  
    color:rgb(129, 198, 214)  
}
```

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, 198, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 198, 214) }
```

Border

The CSS property to change the border of an element to RYB 129, 167, 214 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, 198, 214) }
```

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

```
.border{ border-color:rgb(129, 198, 214) }
```

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

Here you see how a box with a 4 pixel rgb(129, 198, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 198, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 198, 214);  
box-shadow:4px 4px 4px 4px rgb(129, 198,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 129, 167, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 198, 214) }
```

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

```
.background{ background-color: rgb(129,  
198, 214) }
```

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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