

Converting Colors

`RYB(129, 196, 222)`

Have a look what the booklet for
RYB(129, 196, 222) contains.

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Color

R_YB(129, 196, 222)

Conversions

Conversions Part 1

Format	Color
Hex	81DEA5
RGB	129, 222, 165
RGB Percent	51%, 87%, 65%
CMY	0.4941, 0.1294, 0.3526
CMYK	0.42, 0.00, 0.26, 0.13
HSL	143°, 58%, 69%
HSV	143°, 42%, 87%
XYZ	41.9742, 59.6296, 44.9374
YIQ	187.6950, -37.1310, -37.4430

Conversions

Conversions Part 2

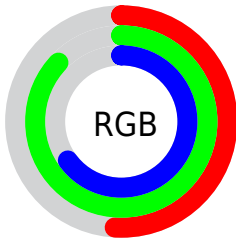
Format	Color
RYB	129, 196, 222
Decimal	8511141
CIELab	81.64, -40.09, 19.43
CIELCh	82, 44.548, 154.138
Yxy	59.6296, 0.2864, 0.4069
Android (android.graphics.Color)	4286701221 (0xFF81DEA5)
YUV	187.6950, -11.1886, -51.4755
Hunter-Lab	77.2202, -38.1089, 19.5510

Details

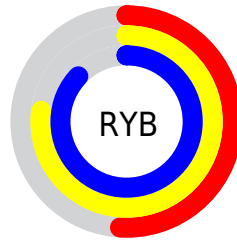
The RYB color **129, 196, 222** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **222, 129, 186**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **185, 232, 255**, and **73, 138, 166** is the 20% darker color. If you saturate the color by 10%, you get **107, 190, 222**, and if you desaturate by 10%, it is **151, 202, 222**.

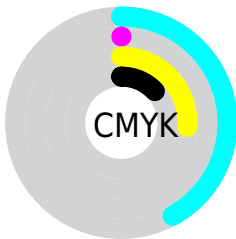
Distribution



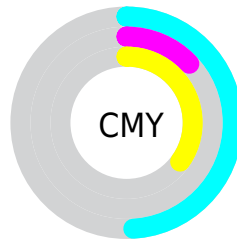
- Red (51%)
- Green (87%)
- Blue (65%)



- Red (51%)
- Yellow (77%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 196, 222 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, 196, 222 by changing the saturation by 10% instead.


 129, 196, 222


255, 255, 255


 185, 232, 255


 214, 236, 255

 244, 250, 255

 129, 196, 222

 101, 167, 194

 73, 138, 166


 44, 109, 139

 0, 72, 113


 0, 60, 88

 0, 48, 64


 0, 42, 42

 0, 11, 11


 0, 0, 0

 129, 196, 222


 129, 196, 222

 107, 190, 222


 151, 202, 222

 85, 184, 222


 173, 208, 222

 62, 177, 222

 196, 215, 222

 40, 171, 222

 218, 221, 222

 18, 165, 222

 240, 222, 233

 0, 160, 222

 255, 222, 247

 255, 222, 255

Harmonies

Analogous

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



132, 214, 166



129, 196, 222



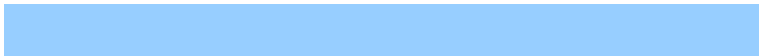
66, 150, 225

Triad

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



129, 196, 222



151, 187, 255



255, 179, 158

Complementary

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



129, 196, 222



222, 129, 186

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, 170, 199



129, 196, 222



215, 190, 255

Square

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



129, 196, 222



71, 152, 255



255, 176, 240



255, 240, 129

Rectangle

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



129, 196, 222



0, 115, 236



255, 176, 240



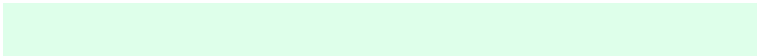
255, 172, 171

Sweetspot

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



129, 196, 222



222, 246, 255



129, 222, 165



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 196, 222



128, 220, 255



129, 178, 222



101, 109, 112



0, 127, 176



0, 34, 48

Inverse Universe

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



222, 129, 186



255, 128, 206



222, 129, 140



112, 101, 108



176, 0, 108



48, 0, 30

Previews

White Background



This preview shows how the RYB color 129, 196, 222 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, 196, 222 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, 196, 222 Background



This preview shows how black text looks on a background with the RYB color 129, 196, 222.

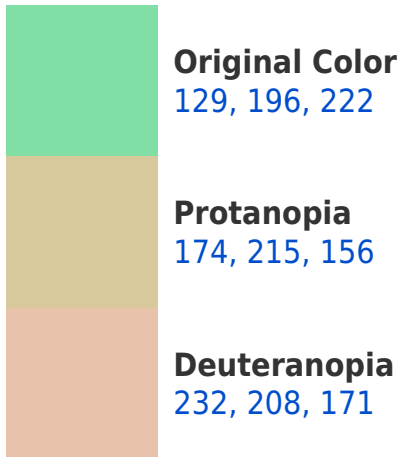


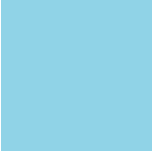
This preview shows how white text looks on a background with the RYB color 129, 196, 222.

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
144, 182, 231

Trichromacy



Original Color

129, 196, 222



Protanomaly

159, 209, 184



Deuteranomaly

169, 204, 178



Tritanomaly

139, 180, 216

Monochromacy



Original Color

129, 196, 222



Achromatopsia

188, 188, 188



Achromatomaly

167, 191, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 196, 222 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, 222, 165)` looks like.

```
.text, #text, p{  
  color:rgb(129, 222, 165)  
}
```

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, 222, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 222, 165) }
```

Border

The CSS property to change the border of an element to RYB 129, 196, 222 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, 222, 165) }
```

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

```
.border{ border-color:rgb(129, 222, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 222, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 222, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 222, 165);  
box-shadow:4px 4px 4px 4px rgb(129, 222,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 129, 196, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 222, 165) }
```

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

```
.background{ background-color: rgb(129,  
222, 165) }
```

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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