

Converting Colors

`RYB(129, 210, 216)`

Have a look what the booklet for
RYB(129, 210, 216) contains.

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Color

R_YB(129, 210, 216)

Conversions

Conversions Part 1

Format	Color
Hex	81D887
RGB	129, 216, 135
RGB Percent	51%, 85%, 53%
CMY	0.4941, 0.1529, 0.4688
CMYK	0.40, 0.00, 0.37, 0.15
HSL	124°, 53%, 68%
HSV	124°, 40%, 85%
XYZ	38.0137, 55.5407, 31.8030
YIQ	180.7530, -25.8510, -43.6350

Conversions

Conversions Part 2

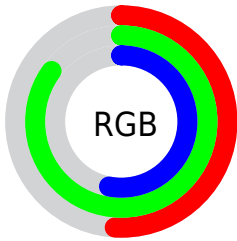
Format	Color
RYB	129, 210, 216
Decimal	8509575
CIELab	79.35, -42.61, 31.70
CIELCh	79, 53.111, 143.353
Yxy	55.5407, 0.3032, 0.4431
Android (android.graphics.Color)	4286699655 (0xFF81D887)
YUV	180.7530, -22.5562, -45.3874
Hunter-Lab	74.5256, -39.3714, 26.8666

Details

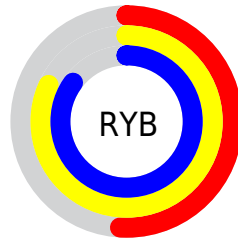
The RYB color **129, 210, 216** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **216, 129, 210**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **185, 251, 255**, and **74, 152, 161** is the 20% darker color. If you saturate the color by 10%, you get **107, 209, 216**, and if you desaturate by 10%, it is **151, 212, 216**.

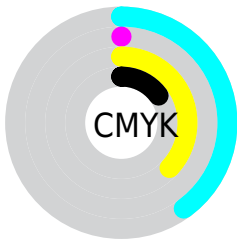
Distribution



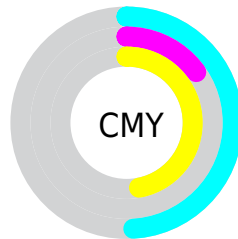
- Red (51%)
- Green (85%)
- Blue (53%)



- Red (51%)
- Yellow (82%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)



- Cyan (49%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 210, 216 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, 210, 216 by changing the saturation by 10% instead.

 129, 210, 216


255, 255, 255


 185, 251, 255


 214, 252, 255


 243, 253, 255

 129, 210, 216

 101, 180, 188

 74, 151, 161

 45, 121, 134

 3, 82, 108

 0, 73, 83

 0, 59, 59

 0, 38, 38

 0, 0, 0

 129, 210, 216

 129, 210, 216

 107, 209, 216

 151, 212, 216

 86, 208, 216

 172, 213, 216

 64, 206, 216

 194, 215, 216

 43, 205, 216

 215, 216, 216

 21, 203, 216

 237, 216, 235

 0, 201, 216

 255, 216, 255

Harmonies

Analogous

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



103, 205, 120



129, 210, 216



26, 134, 221

Triad

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



129, 210, 216



83, 154, 255



255, 158, 160

Complementary

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



129, 210, 216



216, 129, 210

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, 157, 210



129, 210, 216



183, 188, 255

Square

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



129, 210, 216



0, 117, 255



247, 169, 255



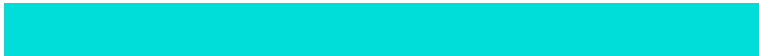
255, 206, 119

Rectangle

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



129, 210, 216



0, 112, 222



247, 169, 255



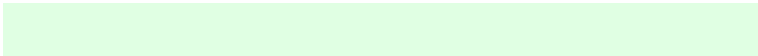
255, 156, 176

Sweetspot

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



129, 210, 216



224, 252, 255



129, 216, 135



110, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 210, 216



133, 247, 255



129, 185, 216



96, 106, 107



0, 159, 171



0, 40, 43

Inverse Universe

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



216, 129, 210



255, 133, 246



216, 129, 167



107, 96, 106



171, 0, 158



43, 0, 40

Previews

White Background



This preview shows how the RYB color 129, 210, 216 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, 210, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

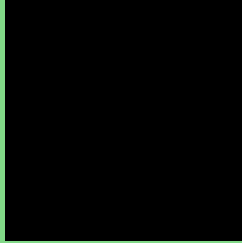
Any Text WCAG AA ✓ Pass

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, 210, 216 Background



This preview shows how black text looks on a background with the RYB color 129, 210, 216.

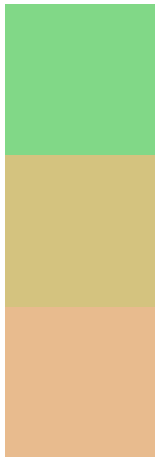


This preview shows how white text looks on a background with the RYB color 129, 210, 216.

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](#).

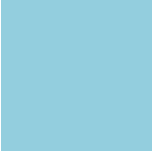
Dichromacy



Original Color
129, 210, 216

Protanopia
148, 212, 127

Deuteranopia
232, 232, 142



Tritanopia
147, 180, 222

Trichromacy



Original Color

129, 210, 216



Protanomaly

130, 203, 151



Deuteranomaly

140, 198, 143



Tritanomaly

140, 180, 210

Monochromacy



Original Color

129, 210, 216



Achromatopsia

181, 181, 181



Achromatomaly

162, 192, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 210, 216 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, 216, 135)` looks like.

```
.text, #text, p{  
    color:rgb(129, 216, 135)  
}
```

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, 216, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 216, 135) }
```

Border

The CSS property to change the border of an element to RYB 129, 210, 216 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, 216, 135) }
```

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

```
.border{ border-color:rgb(129, 216, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 216, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 216, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 216, 135);  
box-shadow:4px 4px 4px 4px rgb(129, 216,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 129, 210, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 216, 135) }
```

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

```
.background{ background-color: rgb(129,  
216, 135) }
```

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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