

Converting Colors

`RYB(129, 226, 218)`

Have a look what the booklet for
RYB(129, 226, 218) contains.

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Color

R_YB(129, 226, 218)

Conversions

Conversions Part 1

Format	Color
Hex	89E281
RGB	137, 226, 129
RGB Percent	54%, 89%, 51%
CMY	0.4627, 0.1137, 0.4941
CMYK	0.39, 0.00, 0.43, 0.11
HSL	115°, 63%, 70%
HSV	115°, 43%, 89%
XYZ	41.4753, 61.2961, 30.4142
YIQ	188.3310, -21.9070, -49.0350

Conversions

Conversions Part 2

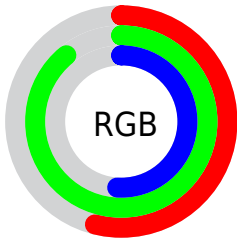
Format	Color
RYB	129, 226, 218
Decimal	9036417
CIELab	82.54, -45.49, 39.15
CIELCh	83, 60.017, 139.278
Yxy	61.2961, 0.3114, 0.4602
Android (android.graphics.Color)	4287226497 (0xFF89E281)
YUV	188.3310, -29.2502, -45.0173
Hunter-Lab	78.2918, -42.4497, 31.7717

Details

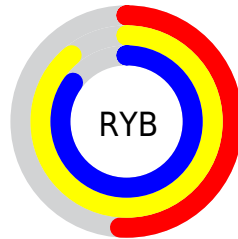
The RYB color **129, 226, 218** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **218, 129, 226**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **183, 255, 244**, and **78, 170, 167** is the 20% darker color. If you saturate the color by 10%, you get **106, 226, 216**, and if you desaturate by 10%, it is **152, 226, 220**.

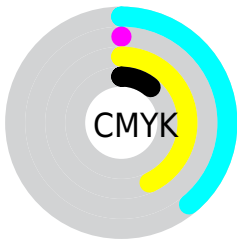
Distribution



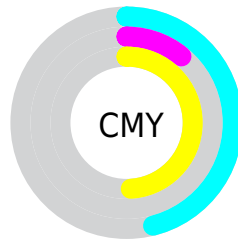
- Red (54%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 226, 218 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, 226, 218 by changing the saturation by 10% instead.

 129, 226, 218

255, 255, 255


 183, 255, 244


 211, 255, 243


 240, 255, 243

 129, 226, 218

 103, 198, 192

 78, 170, 167


 52, 142, 143

 14, 105, 117

 0, 91, 91

 0, 67, 67

 0, 45, 45

 0, 16, 16

 0, 0, 0

 129, 226, 218

 129, 226, 218

 106, 226, 216

 152, 226, 220

 84, 226, 214

 174, 226, 222


 61, 226, 212

 197, 226, 224

 39, 226, 211

 219, 226, 225

 16, 226, 209

 241, 226, 242

 0, 226, 207

 255, 226, 255

Harmonies

Analogous

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



94, 213, 104



129, 226, 218



0, 131, 233

Triad

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



129, 226, 218



0, 117, 255



255, 159, 171

Complementary

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



129, 226, 218



218, 129, 226

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, 160, 228



129, 226, 218



176, 194, 255

Square

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



129, 226, 218



0, 121, 255



255, 176, 255



255, 207, 122

Rectangle

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



129, 226, 218



0, 120, 234



255, 176, 255



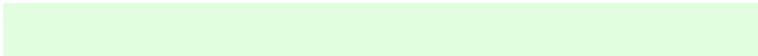
255, 157, 190

Sweetspot

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



129, 226, 218



222, 255, 252



138, 226, 129



107, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



129, 226, 218



122, 255, 244



129, 198, 226



101, 112, 111



0, 176, 161



0, 48, 44

Inverse Universe

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



218, 129, 226



244, 122, 255



226, 129, 186



111, 101, 112



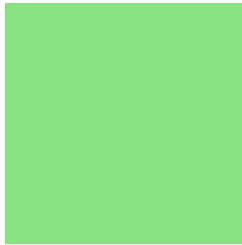
161, 0, 176



44, 0, 48

Previews

White Background



This preview shows how the RYB color 129, 226, 218 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, 226, 218 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, 226, 218 Background



This preview shows how black text looks on a background with the RYB color 129, 226, 218.

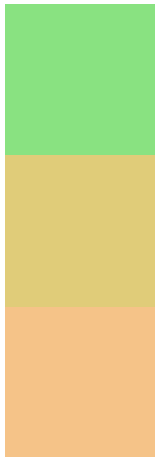


This preview shows how white text looks on a background with the RYB color 129, 226, 218.

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, 226, 218

Protanopia
146, 224, 121

Deuteranopia
228, 245, 136



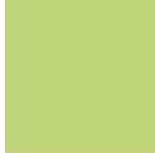
Tritanopia
156, 189, 231

Trichromacy



Original Color

129, 226, 218



Protanomaly

124, 212, 144



Deuteranomaly

133, 206, 133



Tritanomaly

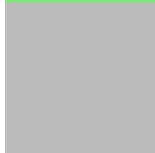
149, 191, 218

Monochromacy



Original Color

129, 226, 218



Achromatopsia

188, 188, 188



Achromatomaly

167, 202, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 226, 218 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(137, 226, 129)` looks like.

```
.text, #text, p{  
    color:rgb(137, 226, 129)  
}
```

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(137, 226, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 226, 129) }
```

Border

The CSS property to change the border of an element to RYB 129, 226, 218 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(137, 226, 129) }
```

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

```
.border{ border-color:rgb(137, 226, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 226, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 226, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 226, 129);  
box-shadow:4px 4px 4px 4px rgb(137, 226,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 129, 226, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 226, 129) }
```

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

```
.background{ background-color: rgb(137,  
226, 129) }
```

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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