

Converting Colors

`RYB(128, 211, 225)`

Have a look what the booklet for
RYB(128, 211, 225) contains.

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Color

R_YB(128, 211, 225)

Conversions

Conversions Part 1

Format	Color
Hex	80E190
RGB	128, 225, 144
RGB Percent	50%, 88%, 56%
CMY	0.4980, 0.1176, 0.4339
CMYK	0.43, 0.00, 0.36, 0.12
HSL	130°, 62%, 69%
HSV	130°, 43%, 88%
XYZ	40.8890, 60.4643, 36.0463
YIQ	186.7630, -31.8110, -45.7550

Conversions

Conversions Part 2

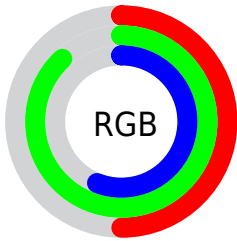
Format	Color
RYB	128, 211, 225
Decimal	8446352
CIELab	82.09, -45.35, 30.76
CIELCh	82, 54.802, 145.848
Yxy	60.4643, 0.2976, 0.4401
Android (android.graphics.Color)	4286636432 (0xFF80E190)
YUV	186.7630, -21.0822, -51.5352
Hunter-Lab	77.7588, -42.2147, 26.9463

Details

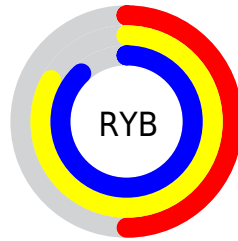
The RYB color **128, 211, 225** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **225, 128, 209**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **185, 244, 255**, and **71, 151, 169** is the 20% darker color. If you saturate the color by 10%, you get **106, 208, 225**, and if you desaturate by 10%, it is **151, 215, 225**.

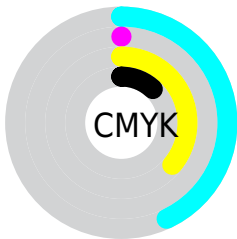
Distribution



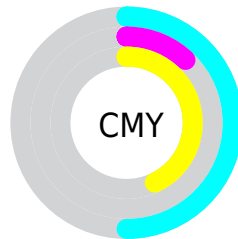
- Red (50%)
- Green (88%)
- Blue (56%)



- Red (50%)
- Yellow (83%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (36%)
- Black (12%)



- Cyan (50%)
- Magenta (12%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 211, 225 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 128, 211, 225 by changing the saturation by 10% instead.

 128, 211, 225


255, 255, 255


 185, 243, 255


 214, 245, 255

 243, 249, 255

 128, 211, 225

 100, 182, 197

 71, 151, 169


 40, 119, 142

 0, 84, 116

 0, 73, 90

 0, 66, 66

 0, 44, 44


 0, 14, 14

 0, 0, 0

 128, 211, 225

 128, 211, 225

 106, 208, 225


 151, 215, 225

 83, 204, 225


 173, 217, 225

 60, 201, 225

 195, 221, 225

 38, 198, 225

 218, 224, 225

 16, 195, 225

 240, 225, 238

 0, 192, 225

 255, 225, 255

Harmonies

Analogous

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



108, 215, 132



128, 211, 225



0, 124, 230

Triad

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



128, 211, 225



97, 164, 255



255, 165, 162

Complementary

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



128, 211, 225



225, 128, 209

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, 162, 213



128, 211, 225



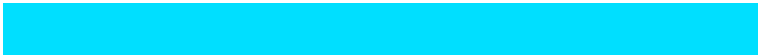
197, 194, 255

Square

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



128, 211, 225



0, 119, 255



255, 174, 255



255, 228, 120

Rectangle

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



128, 211, 225



0, 116, 231



255, 174, 255



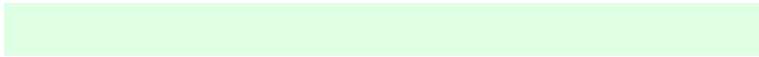
255, 162, 179

Sweetspot

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



128, 211, 225



222, 251, 255



128, 225, 144



107, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 211, 225



122, 235, 255



128, 186, 225



101, 110, 112



0, 150, 176



0, 41, 48

Inverse Universe

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



225, 128, 209



255, 122, 233



225, 128, 160



112, 101, 110



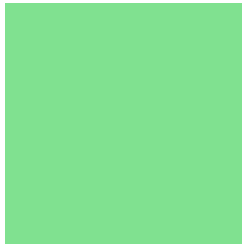
176, 0, 146



48, 0, 40

Previews

White Background



This preview shows how the RYB color 128, 211, 225 looks on a white background.

Color Contrast Check

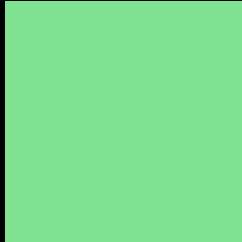
Large Text (above 18pt) WCAG AA × Fail

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 128, 211, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

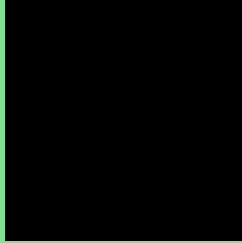
Any Text WCAG AA ✓ Pass

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 128, 211, 225 Background



This preview shows how black text looks on a background with the RYB color 128, 211, 225.

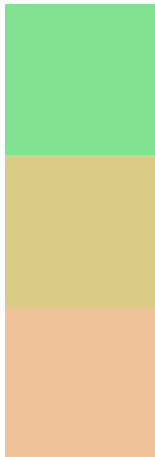


This preview shows how white text looks on a background with the RYB color 128, 211, 225.

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
128, 211, 225

Protanopia
156, 220, 135

Deuteranopia
239, 239, 151



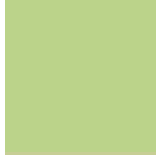
Tritanopia
147, 184, 232

Trichromacy



Original Color

128, 211, 225



Protanomaly

138, 211, 162



Deuteranomaly

149, 206, 156



Tritanomaly

140, 184, 218

Monochromacy



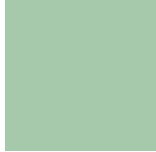
Original Color

128, 211, 225



Achromatopsia

187, 187, 187



Achromatomaly

166, 197, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 211, 225 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(128, 225, 144)` looks like.

```
.text, #text, p{  
    color:rgb(128, 225, 144)  
}
```

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(128, 225, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 225, 144) }
```

Border

The CSS property to change the border of an element to RYB 128, 211, 225 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(128, 225, 144) }
```

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

```
.border{ border-color:rgb(128, 225, 144) }
```

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

Here you see how a box with a 4 pixel rgb(128, 225, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 225, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 225, 144);  
box-shadow:4px 4px 4px 4px rgb(128, 225,  
144) }
```

Background

The CSS property to change the background color of an element to RYB 128, 211, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 225, 144) }
```

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

```
.background{ background-color: rgb(128,  
225, 144) }
```

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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