

Converting Colors

`RYB(136, 197, 228)`

Have a look what the booklet for
RYB(136, 197, 228) contains.

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Color

R_YB(136, 197, 228)

Conversions

Conversions Part 1

Format	Color
Hex	88E4B7
RGB	136, 228, 183
RGB Percent	53%, 89%, 72%
CMY	0.4667, 0.1059, 0.2833
CMYK	0.40, 0.00, 0.20, 0.11
HSL	150°, 63%, 71%
HSV	150°, 40%, 89%
XYZ	46.4184, 64.1297, 54.5974
YIQ	195.3620, -40.3870, -33.4990

Conversions

Conversions Part 2

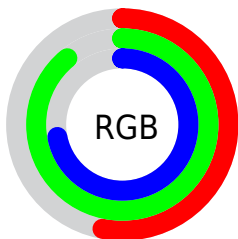
Format	Color
RYB	136, 197, 228
Decimal	8971447
CIELab	84.03, -37.43, 13.58
CIElCh	84, 39.815, 160.058
Yxy	64.1297, 0.2811, 0.3883
Android (android.graphics.Color)	4287161527 (0xFF88E4B7)
YUV	195.3620, -6.0945, -52.0605
Hunter-Lab	80.0810, -36.6755, 15.6341

Details

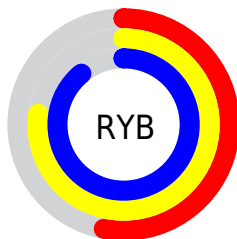
The RYB color **136, 197, 228** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **228, 136, 181**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **193, 229, 255**, and **80, 140, 172** is the 20% darker color. If you saturate the color by 10%, you get **113, 189, 228**, and if you desaturate by 10%, it is **159, 205, 228**.

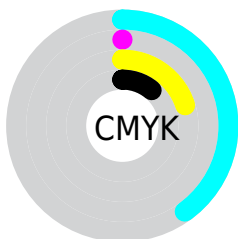
Distribution



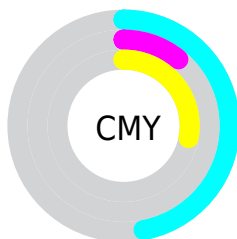
- Red (53%)
- Green (89%)
- Blue (72%)



- Red (53%)
- Yellow (77%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)




- Cyan (47%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 197, 228 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 136, 197, 228 by changing the saturation by 10% instead.


 136, 197, 228


255, 255, 255


 193, 229, 255


 222, 239, 255

 251, 253, 255

 136, 197, 228

 108, 168, 200


 80, 140, 172

 52, 111, 145

 15, 79, 119

 0, 59, 94

 0, 46, 69


 0, 35, 46

 0, 23, 23


 0, 0, 0

 136, 197, 228


 136, 197, 228

 113, 189, 228


 159, 205, 228

 90, 182, 228


 182, 213, 228

 68, 174, 228

 204, 220, 228

 45, 166, 228

 227, 228, 228

 22, 158, 228

 250, 228, 239

 0, 151, 228

 255, 228, 250

 255, 228, 255

Harmonies

Analogous

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



151, 222, 192



136, 197, 228



92, 163, 230

Triad

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



136, 197, 228



178, 200, 255



255, 195, 163

Complementary

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



136, 197, 228



228, 136, 181

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, 181, 198



136, 197, 228



231, 195, 255

Square

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



136, 197, 228



118, 176, 255



255, 184, 236



249, 255, 140

Rectangle

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



136, 197, 228



74, 156, 246



255, 184, 236



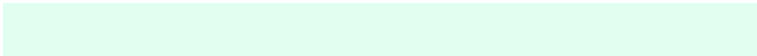
255, 185, 174

Sweetspot

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



136, 197, 228



224, 244, 255



136, 228, 182



110, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



136, 197, 228



133, 214, 255



136, 182, 228



103, 111, 115



0, 119, 179



0, 34, 51

Inverse Universe

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



228, 136, 181



255, 133, 193



228, 136, 136



115, 103, 109



179, 0, 88



51, 0, 25

Previews

White Background



This preview shows how the RYB color 136, 197, 228 looks on a white background.

Color Contrast Check

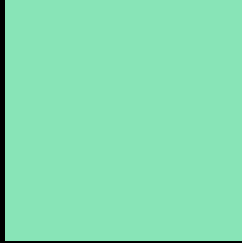
Large Text (above 18pt) WCAG AA × Fail

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 136, 197, 228 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 136, 197, 228 Background



This preview shows how black text looks on a background with the RYB color 136, 197, 228.

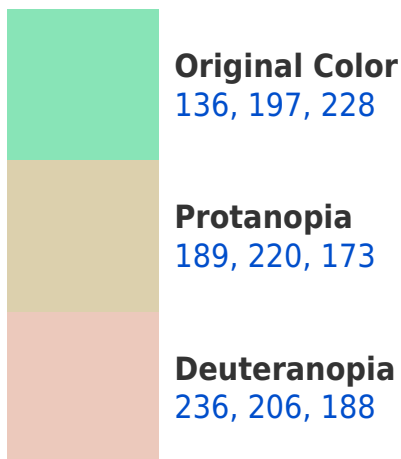


This preview shows how white text looks on a background with the RYB color 136, 197, 228.

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
149, 188, 238

Trichromacy



Original Color

136, 197, 228



Protanomaly

177, 215, 203



Deuteranomaly

186, 211, 197



Tritanomaly

144, 185, 223

Monochromacy



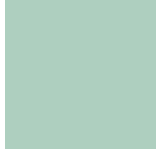
Original Color

136, 197, 228



Achromatopsia

195, 195, 195



Achromatomaly

174, 196, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 197, 228 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(136, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(136, 228, 183)  
}
```

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(136, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 228, 183) }
```

Border

The CSS property to change the border of an element to RYB 136, 197, 228 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(136, 228, 183) }
```

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

```
.border{ border-color:rgb(136, 228, 183) }
```

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

Here you see how a box with a 4 pixel rgb(136, 228, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(136, 228,  
183) }
```

Background

The CSS property to change the background color of an element to RYB 136, 197, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 228, 183) }
```

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

```
.background{ background-color: rgb(136,  
228, 183) }
```

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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