

Converting Colors

`RYB(133, 178, 224)`

Have a look what the booklet for
RYB(133, 178, 224) contains.

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Color

`RYB(133, 178, 224)`

Conversions

Conversions Part 1

Format	Color
Hex	85DEE0
RGB	133, 222, 224
RGB Percent	52%, 87%, 88%
CMY	0.4784, 0.1293, 0.1216
CMYK	0.41, 0.01, 0.00, 0.12
HSL	181°, 59%, 70%
HSV	181°, 41%, 88%
XYZ	49.2545, 62.6225, 80.0124
YIQ	195.6170, -53.6860, -18.2460

Conversions

Conversions Part 2

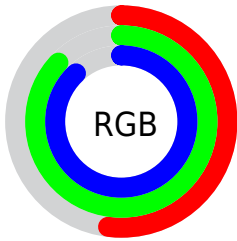
Format	Color
RYB	133, 178, 224
Decimal	8773344
CIELab	83.24, -26.16, -9.37
CIELCh	83, 27.789, 199.707
Yxy	62.6225, 0.2567, 0.3263
Android (android.graphics.Color)	4286963424 (0xFF85DEE0)
YUV	195.6170, 13.9928, -54.9151
Hunter-Lab	79.1344, -27.3839, -4.5538

Details

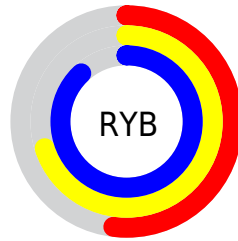
The RYB color **133, 178, 224** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **224, 135, 133**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **190, 223, 255**, and **76, 122, 169** is the 20% darker color. If you saturate the color by 10%, you get **111, 167, 224**, and if you desaturate by 10%, it is **155, 189, 224**.

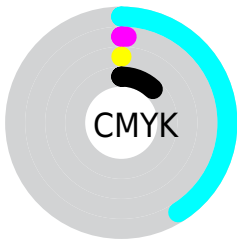
Distribution



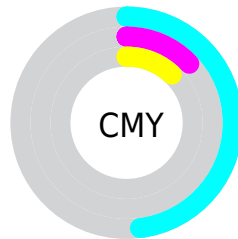
- Red (52%)
- Green (87%)
- Blue (88%)



- Red (52%)
- Yellow (70%)
- Blue (88%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 178, 224 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 133, 178, 224 by changing the saturation by 10% instead.

 133, 178, 224

255, 255, 255


 190, 223, 255

 219, 237, 255

 249, 252, 255

 133, 178, 224

 105, 150, 196

 76, 122, 169


 44, 92, 142

 0, 58, 117

 0, 45, 92

 0, 34, 69


 0, 22, 47

 0, 11, 26


 0, 0, 0

 133, 178, 224


 133, 178, 224

 111, 167, 224


 155, 189, 224

 88, 155, 224


 178, 201, 224

 66, 144, 224

 200, 212, 224

 43, 132, 224

 223, 224, 224

 21, 121, 224

 245, 224, 224

 0, 111, 224

 255, 225, 224

 255, 226, 224

Harmonies

Analogous

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



151, 194, 222



133, 178, 224



137, 184, 246

Triad

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



133, 178, 224



232, 195, 241



210, 235, 156

Complementary

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



133, 178, 224



224, 135, 133

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.



254, 204, 169



133, 178, 224



254, 189, 217

Square

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



133, 178, 224



200, 204, 255



255, 189, 191



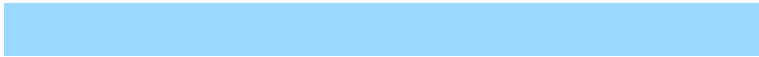
158, 211, 160

Rectangle

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



133, 178, 224



153, 192, 255



255, 189, 191



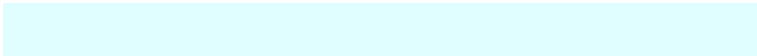
243, 239, 159

Sweetspot

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



133, 178, 224



224, 239, 255



133, 222, 224



110, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 178, 224



130, 192, 255



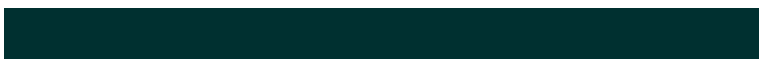
133, 163, 224



101, 107, 112



0, 87, 176



0, 24, 48

Inverse Universe

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



224, 133, 222



255, 130, 252



218, 224, 133



112, 101, 112



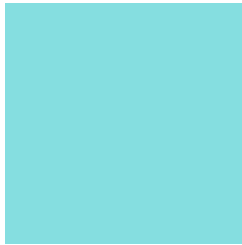
176, 0, 172



48, 0, 47

Previews

White Background



This preview shows how the RYB color 133, 178, 224 looks on a white background.

Color Contrast Check

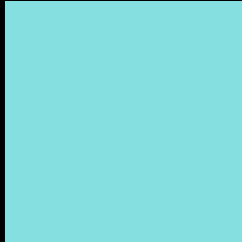
Large Text (above 18pt) WCAG AA × Fail

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 133, 178, 224 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 133, 178, 224 Background



This preview shows how black text looks on a background with the RYB color 133, 178, 224.

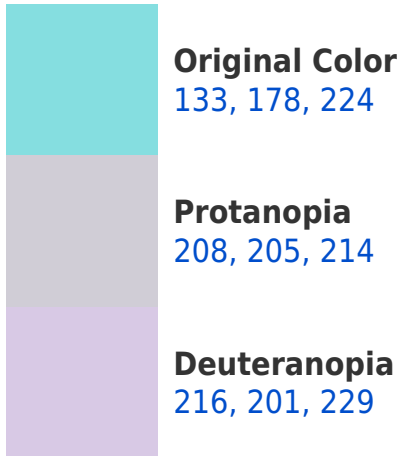



This preview shows how white text looks on a background with the RYB color 133, 178, 224.

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
137, 183, 238

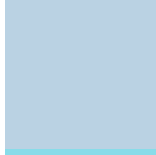
Trichromacy



Original Color
133, 178, 224



Protanomaly
181, 198, 218



Deuteranomaly
186, 201, 227

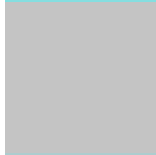


Tritanomaly
136, 181, 233

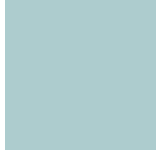
Monochromacy



Original Color
133, 178, 224



Achromatopsia
196, 196, 196



Achromatomaly
173, 189, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 178, 224 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(133, 222, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 222, 224)  
}
```

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(133, 222, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 222, 224) }
```

Border

The CSS property to change the border of an element to RYB 133, 178, 224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

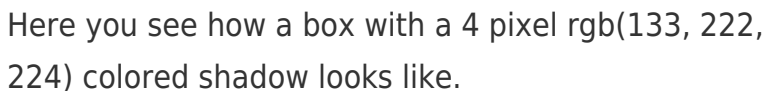
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 222, 224) }
```

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

```
.border{ border-color:rgb(133, 222, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 222, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 222, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 222, 224); box-shadow:4px 4px 4px 4px rgb(133, 222, 224) }
```

Background

The CSS property to change the background color of an element to RYB 133, 178, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 222, 224) }
```

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

```
.background{ background-color: rgb(133,  
222, 224) }
```

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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