

Converting Colors

`RYB(133, 219, 219)`

Have a look what the booklet for
RYB(133, 219, 219) contains.

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Color

R_YB(133, 219, 219)

Conversions

Conversions Part 1

Format	Color
Hex	85DB85
RGB	133, 219, 133
RGB Percent	52%, 86%, 52%
CMY	0.4784, 0.1412, 0.4784
CMYK	0.39, 0.00, 0.39, 0.14
HSL	120°, 54%, 69%
HSV	120°, 39%, 86%
XYZ	39.2380, 57.3430, 31.1906
YIQ	183.4820, -23.6500, -44.9780

Conversions

Conversions Part 2

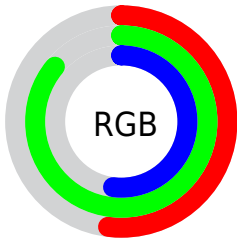
Format	Color
RYB	133, 219, 219
Decimal	8772485
CIELab	80.37, -43.10, 34.32
CIELCh	80, 55.092, 141.470
Yxy	57.3430, 0.3071, 0.4488
Android (android.graphics.Color)	4286962565 (0xFF85DB85)
YUV	183.4820, -24.8876, -44.2727
Hunter-Lab	75.7252, -40.0269, 28.5866

Details

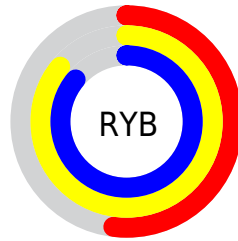
The RYB color **133, 219, 219** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **219, 133, 219**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **187, 255, 253**, and **78, 159, 163** is the 20% darker color. If you saturate the color by 10%, you get **111, 219, 219**, and if you desaturate by 10%, it is **155, 219, 219**.

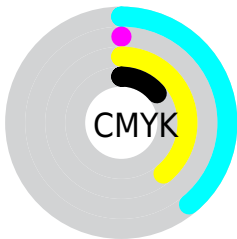
Distribution



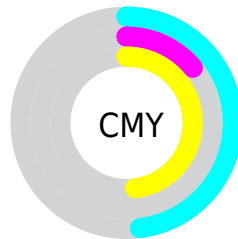
- Red (52%)
- Green (86%)
- Blue (52%)



- Red (52%)
- Yellow (86%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)



- Cyan (48%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 219, 219 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, 219, 219 by changing the saturation by 10% instead.

 133, 219, 219


255, 255, 255


 187, 255, 253


 215, 255, 252


 244, 255, 251


 133, 219, 219


 105, 189, 191

 78, 159, 163

 49, 129, 137

 11, 92, 111

 0, 80, 86

 0, 61, 61

 0, 40, 40

 0, 3, 3

 0, 0, 0

 133, 219, 219

 133, 219, 219

 111, 219, 219

 155, 219, 219

 89, 219, 219

 177, 219, 219

 67, 219, 219

 199, 219, 219

 45, 219, 219

 221, 219, 221

 24, 219, 219

 243, 219, 243

 2, 219, 219

 255, 219, 255

 0, 219, 219

Harmonies

Analogous

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



100, 208, 114



133, 219, 219



24, 137, 225

Triad

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



133, 219, 219



65, 147, 255



255, 159, 164

Complementary

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



133, 219, 219



219, 133, 219

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, 158, 216



133, 219, 219



180, 190, 255

Square

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



133, 219, 219



0, 118, 255



249, 172, 255



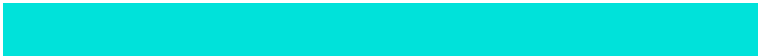
255, 206, 121

Rectangle

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



133, 219, 219



0, 115, 226



249, 172, 255



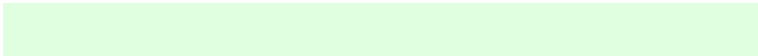
255, 157, 181

Sweetspot

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



133, 219, 219



224, 255, 255



133, 219, 133



110, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 219, 219



135, 255, 255



133, 190, 219



99, 110, 110



0, 173, 173



0, 46, 46

Inverse Universe

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



219, 133, 219



255, 135, 255



219, 133, 176



110, 99, 110



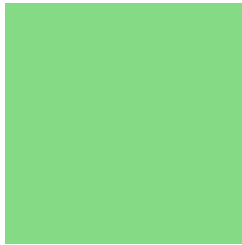
173, 0, 173



46, 0, 46

Previews

White Background



This preview shows how the RYB color 133, 219, 219 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, 219, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

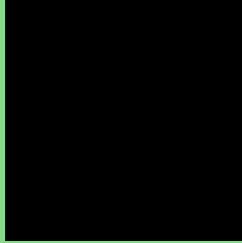
Any Text WCAG AA ✓ Pass

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, 219, 219 Background



This preview shows how black text looks on a background with the RYB color 133, 219, 219.

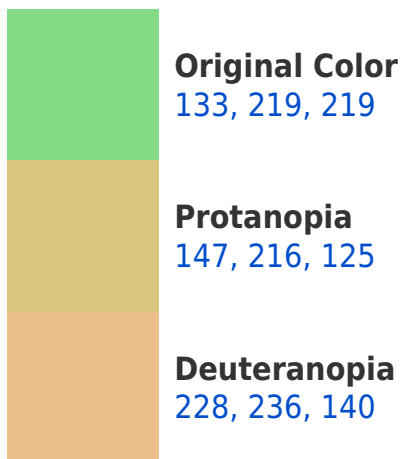


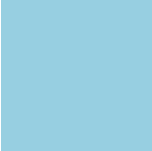
This preview shows how white text looks on a background with the RYB color 133, 219, 219.

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
151, 183, 225

Trichromacy



Original Color

133, 219, 219



Protanomaly

128, 206, 148



Deuteranomaly

137, 201, 139



Tritanomaly

144, 184, 212

Monochromacy



Original Color

133, 219, 219



Achromatopsia

183, 183, 183



Achromatomaly

165, 196, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 219, 219 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, 219, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 133)  
}
```

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, 219, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 133) }
```

Border

The CSS property to change the border of an element to RYB 133, 219, 219 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, 219, 133) }
```

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

```
.border{ border-color:rgb(133, 219, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 133, 219, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 133) }
```

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

```
.background{ background-color: rgb(133,  
219, 133) }
```

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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