

Converting Colors

`RYB(133, 209, 196)`

Have a look what the booklet for
RYB(133, 209, 196) contains.

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Color

R_YB(133, 209, 196)

Conversions

Conversions Part 1

Format	Color
Hex	92D185
RGB	146, 209, 133
RGB Percent	57%, 82%, 52%
CMY	0.4275, 0.1804, 0.4784
CMYK	0.30, 0.00, 0.36, 0.18
HSL	110°, 45%, 67%
HSV	110°, 36%, 82%
XYZ	38.8882, 53.4054, 30.4489
YIQ	181.4990, -13.1520, -36.9920

Conversions

Conversions Part 2

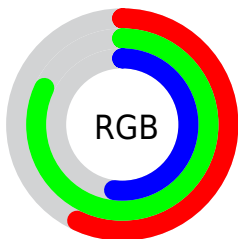
Format	Color
RYB	133, 209, 196
Decimal	9621893
CIELab	78.11, -34.47, 31.48
CIELCh	78, 46.682, 137.601
Yxy	53.4054, 0.3168, 0.4351
Android (android.graphics.Color)	4287811973 (0xFF92D185)
YUV	181.4990, -23.9100, -31.1326
Hunter-Lab	73.0790, -32.9014, 26.4516

Details

The RYB color **133, 209, 196** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **196, 133, 209**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **187, 255, 240**, and **82, 154, 143** is the 20% darker color. If you saturate the color by 10%, you get **112, 209, 192**, and if you desaturate by 10%, it is **154, 209, 200**.

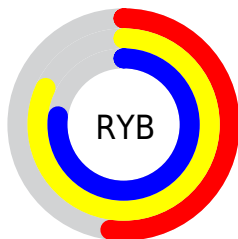
Distribution



Red (57%)

Green (82%)

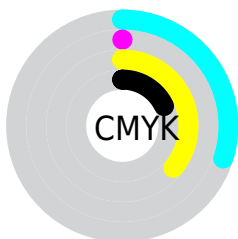
Blue (52%)



Red (52%)

Yellow (82%)

Blue (77%)

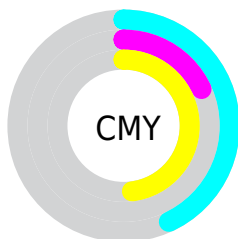


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (18%)



Cyan (43%)

Magenta (18%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 209, 196 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, 209, 196 by changing the saturation by 10% instead.

 133, 209, 196


255, 255, 255


 187, 255, 240


 215, 255, 240

 243, 255, 243

 133, 209, 196

 107, 181, 169

 82, 154, 143

 58, 128, 119

 35, 102, 97

 8, 76, 78

 0, 54, 54

 0, 35, 35

 0, 0, 0

 133, 209, 196

 133, 209, 196

 112, 209, 192

 154, 209, 200

 91, 209, 189

 175, 209, 203

 70, 209, 185

 196, 209, 207

 49, 209, 181

 215, 209, 217

 28, 209, 178

 233, 209, 238

 8, 209, 175

 250, 209, 255

 0, 209, 173

 255, 209, 255

Harmonies

Analogous

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



109, 199, 113



133, 209, 196



85, 163, 215

Triad

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



133, 209, 196



87, 156, 255



255, 159, 169

Complementary

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



133, 209, 196



196, 133, 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, 160, 213



133, 209, 196



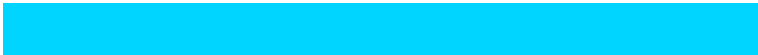
170, 186, 255

Square

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



133, 209, 196



0, 116, 255



229, 172, 252



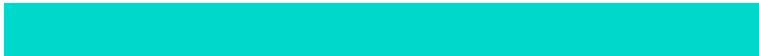
255, 186, 131

Rectangle

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



133, 209, 196



0, 111, 216



229, 172, 252



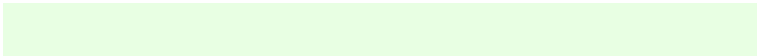
255, 158, 184

Sweetspot

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



133, 209, 196



227, 255, 250



150, 209, 133



111, 128, 125



0, 0, 0



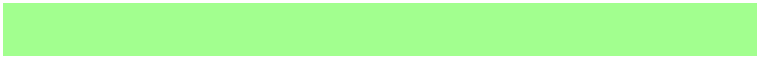
128, 128, 128

Same Dimension

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



133, 209, 196



143, 255, 236



133, 191, 209



94, 105, 103



0, 168, 139



0, 41, 34

Inverse Universe

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



196, 133, 209



236, 143, 255



209, 133, 185



103, 94, 105



140, 0, 168



34, 0, 41

Previews

White Background



This preview shows how the RYB color 133, 209, 196 looks on a white background.

Color Contrast Check

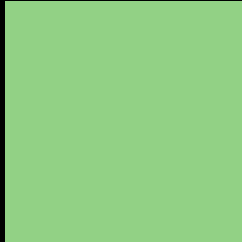
Large Text (above 18pt) WCAG AA × Fail

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, 209, 196 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, 209, 196 Background



This preview shows how black text looks on a background with the RYB color 133, 209, 196.

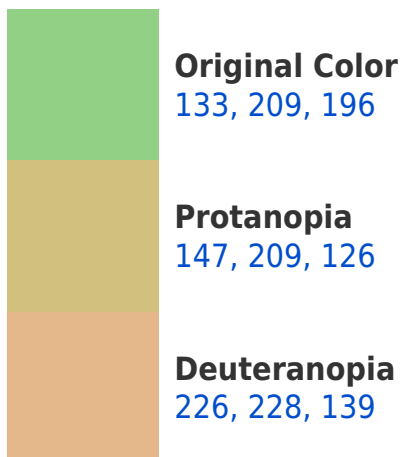


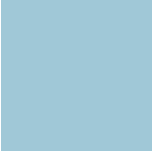
This preview shows how white text looks on a background with the RYB color 133, 209, 196.

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
160, 183, 215

Trichromacy



Original Color

133, 209, 196



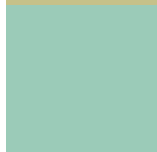
Protanomaly

129, 198, 141



Deuteranomaly

142, 198, 137



Tritanomaly

155, 185, 203

Monochromacy



Original Color

133, 209, 196



Achromatopsia

181, 181, 181



Achromatomaly

164, 191, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 209, 196 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(146, 209, 133)` looks like.

```
.text, #text, p{  
    color:rgb(146, 209, 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(146, 209, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 209, 133) }
```

Border

The CSS property to change the border of an element to RYB 133, 209, 196 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(146, 209, 133) }
```

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

```
.border{ border-color:rgb(146, 209, 133) }
```

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

Here you see how a box with a 4 pixel rgb(146, 209, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 209, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 209, 133);  
box-shadow:4px 4px 4px 4px rgb(146, 209,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 133, 209, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 209, 133) }
```

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

```
.background{ background-color: rgb(146,  
209, 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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