

Converting Colors

`RYB(133, 180, 161)`

Have a look what the booklet for
RYB(133, 180, 161) contains.

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Color

$\text{RYB}(133, 180, 161)$

Conversions

Conversions Part 1

Format	Color
Hex	98B485
RGB	152, 180, 133
RGB Percent	60%, 71%, 52%
CMY	0.4039, 0.2941, 0.4784
CMYK	0.16, 0.00, 0.26, 0.29
HSL	96°, 24%, 61%
HSV	96°, 26%, 71%
XYZ	33.5038, 41.0114, 28.3405
YIQ	166.2700, -1.6010, -20.5530

Conversions

Conversions Part 2

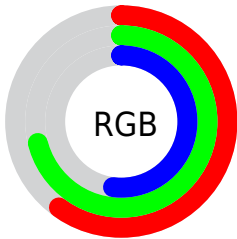
Format	Color
RYB	133, 180, 161
Decimal	10007685
CIELab	70.18, -18.28, 20.90
CIELCh	70, 27.765, 131.181
Yxy	41.0114, 0.3257, 0.3987
Android (android.graphics.Color)	4288197765 (0xFF98B485)
YUV	166.2700, -16.4021, -12.5148
Hunter-Lab	64.0401, -18.6846, 18.5898

Details

The RYB color **133, 180, 161** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **161, 133, 180**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **186, 236, 215**, and **83, 127, 110** is the 20% darker color. If you saturate the color by 10%, you get **115, 180, 154**, and if you desaturate by 10%, it is **151, 180, 168**.

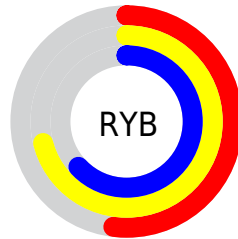
Distribution



Red (60%)

Green (71%)

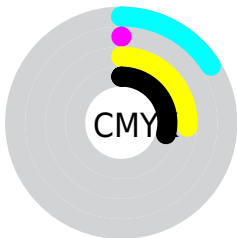
Blue (52%)



Red (52%)

Yellow (71%)

Blue (63%)

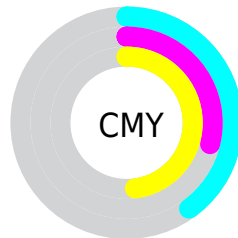


Cyan (16%)

Magenta (0%)

Yellow (26%)

Black (29%)



Cyan (40%)

Magenta (29%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 180, 161 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, 180, 161 by changing the saturation by 10% instead.


 133, 180, 161

255, 255, 255


 186, 236, 215


 214, 255, 234

 243, 255, 243

 133, 180, 161


 108, 153, 135

 83, 127, 110

 60, 102, 86

 37, 78, 63

 16, 55, 41

 0, 33, 24


 0, 1, 1


 0, 0, 0

 133, 180, 161


 133, 180, 161


 115, 180, 154


 151, 180, 168

 97, 180, 146


 169, 180, 176

 79, 180, 139


 184, 180, 187


 61, 180, 132

 195, 180, 205

 43, 180, 125

 206, 180, 223

 25, 180, 117

 216, 180, 241

 7, 180, 110

 227, 180, 255

 0, 180, 107

 238, 180, 255

 249, 180, 255

Harmonies

Analogous

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



130, 180, 122



133, 180, 161



123, 163, 184

Triad

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



133, 180, 161



118, 156, 219



222, 153, 163

Complementary

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



133, 180, 161



161, 133, 180

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.



211, 155, 188



133, 180, 161



153, 167, 221

Square

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



133, 180, 161



96, 144, 204



187, 162, 210



219, 162, 140

Rectangle

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



133, 180, 161



106, 150, 186



187, 162, 210



220, 153, 171

Sweetspot

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



133, 180, 161



216, 235, 228



168, 180, 133



106, 117, 113



245, 245, 245



117, 117, 117

Same Dimension

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



133, 180, 161



162, 235, 206



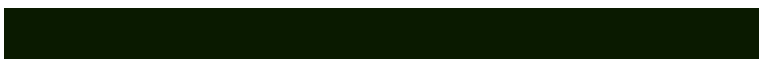
133, 176, 180



80, 89, 85



0, 153, 91



0, 26, 16

Inverse Universe

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



161, 133, 180



205, 162, 235



180, 133, 176



86, 80, 89



91, 0, 153



15, 0, 26

Previews

White Background



This preview shows how the RYB color 133, 180, 161 looks on a white background.

Color Contrast Check

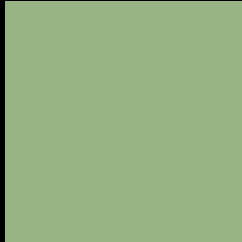
Large Text (above 18pt) WCAG AA × Fail

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, 180, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

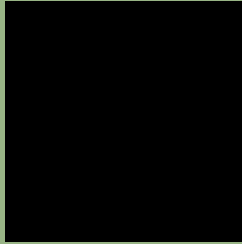
Any Text WCAG AA ✓ Pass

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, 180, 161 Background



This preview shows how black text looks on a background with the RYB color 133, 180, 161.



This preview shows how white text looks on a background with the RYB color 133, 180, 161.

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](#).

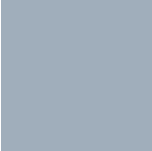
Dichromacy



Original Color
133, 180, 161

Protanopia
144, 183, 129

Deuteranopia
200, 186, 136



Tritanopia
160, 169, 187

Trichromacy



Original Color
133, 180, 161

Protanomaly
130, 174, 132

Deuteranomaly
153, 183, 135

Tritanomaly
157, 169, 176

Monochromacy



Original Color
133, 180, 161

Achromatopsia
166, 166, 166

Achromatomaly
154, 171, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 180, 161 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(152, 180, 133)` looks like.

```
.text, #text, p{  
    color:rgb(152, 180, 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(152, 180, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 180, 133) }
```

Border

The CSS property to change the border of an element to RYB 133, 180, 161 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(152, 180, 133) }
```

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

```
.border{ border-color:rgb(152, 180, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 180, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 180, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 180, 133);  
box-shadow:4px 4px 4px 4px rgb(152, 180,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 133, 180, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 180, 133) }
```

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

```
.background{ background-color: rgb(152,  
180, 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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