

# Converting Colors

`RYB(130, 185, 165)`

Have a look what the booklet for  
RYB(130, 185, 165) contains.

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# Color

**R<sub>Y</sub>B(130, 185, 165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96B982
RGB	150, 185, 130
RGB Percent	59%, 73%, 51%
CMY	0.4118, 0.2745, 0.4902
CMYK	0.19, 0.00, 0.30, 0.27
HSL	98°, 28%, 62%
HSV	98°, 30%, 73%
XYZ	33.9559, 42.7937, 27.5894
YIQ	168.2650, -3.2050, -24.5250

# Conversions

## Conversions Part 2

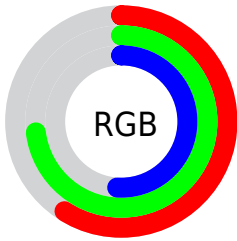
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 185, 165
Decimal	9877890
CIELab	71.41, -22.00, 24.16
CIELCh	71, 32.677, 132.331
Yxy	42.7937, 0.3254, 0.4101
Android (android.graphics.Color)	4288067970 (0xFF96B982)
YUV	168.2650, -18.8646, -16.0184
Hunter-Lab	65.4169, -21.8256, 20.7864

# Details

The RYB color **130, 185, 165** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **165, 130, 185**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **183, 241, 219**, and **80, 132, 114** is the 20% darker color. If you saturate the color by 10%, you get **112, 185, 159**, and if you desaturate by 10%, it is **149, 185, 172**.

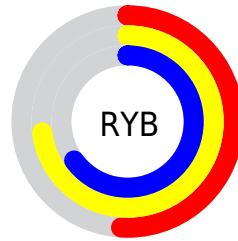
# Distribution



Red (59%)

Green (73%)

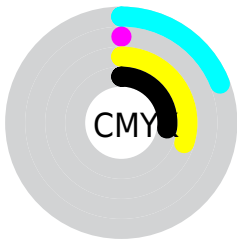
Blue (51%)



Red (51%)

Yellow (73%)

Blue (65%)

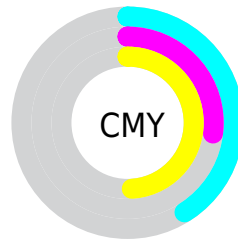


Cyan (19%)

Magenta (0%)

Yellow (30%)

Black (27%)



Cyan (41%)

Magenta (27%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 130, 185, 165 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 130, 185, 165 by changing the saturation by 10% instead.




 130, 185, 165


255, 255, 255


 183, 241, 219


 211, 255, 233

 239, 255, 239

 130, 185, 165


 105, 158, 139


 80, 132, 114

 57, 106, 89


 34, 82, 66


 12, 59, 45


 0, 37, 33

 0, 10, 10


 0, 0, 0

 130, 185, 165


 130, 185, 165

 112, 185, 159


 149, 185, 172

 93, 185, 152


 167, 185, 178

 74, 185, 144


 185, 185, 186


 56, 185, 138

 197, 185, 204


 38, 185, 132

 209, 185, 222

 19, 185, 125

 221, 185, 241

 1, 185, 118

 232, 185, 255

 0, 185, 118

 244, 185, 255

 255, 185, 255

# Harmonies

## Analogous

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



123, 183, 116



130, 185, 165



115, 163, 190

# Triad

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



130, 185, 165



108, 155, 231



234, 153, 164

# Complementary

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



130, 185, 165



165, 130, 185

# 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.



222, 155, 194



130, 185, 165



154, 170, 233

# Square

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



130, 185, 165



76, 138, 214



194, 163, 219



229, 165, 136

# Rectangle

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



130, 185, 165



92, 146, 191



194, 163, 219



232, 152, 174



# Sweetspot

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



130, 185, 165



218, 240, 232



161, 185, 130



107, 120, 116



247, 247, 247



120, 120, 120

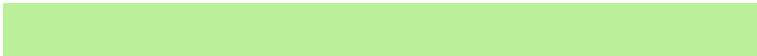


# Same Dimension

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



130, 185, 165



153, 240, 208



130, 179, 185



83, 92, 89



0, 156, 99



0, 28, 18



# Inverse Universe

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



165, 130, 185



208, 153, 240



185, 130, 178



88, 83, 92



99, 0, 156



18, 0, 28



# Previews

## White Background



This preview shows how the RYB color 130, 185, 165 looks on a white background.

## Color Contrast Check

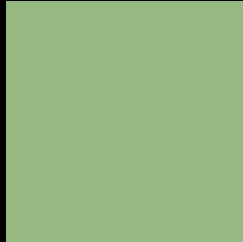
Large Text (above 18pt) WCAG AA × Fail

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 130, 185, 165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

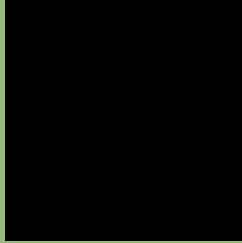
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 130, 185, 165 Background**



This preview shows how black text looks on a background with the RYB color 130, 185, 165.

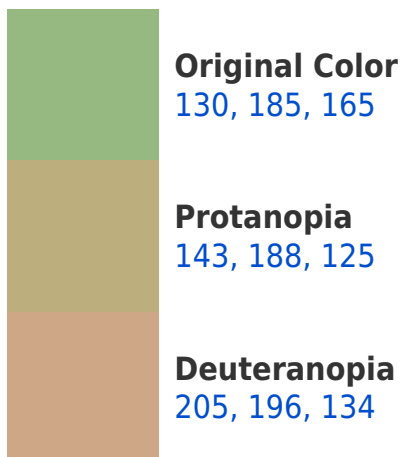


This preview shows how white text looks on a background with the RYB color 130, 185, 165.

# 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, 171, 191

# Trichromacy



**Original Color**  
130, 185, 165

**Protanomaly**  
127, 178, 131

**Deuteranomaly**  
147, 185, 133

**Tritanomaly**  
156, 172, 180

# Monochromacy



**Original Color**  
130, 185, 165

**Achromatopsia**  
168, 168, 168

**Achromatomaly**  
154, 174, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 130, 185, 165 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(150, 185, 130)` looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 130)  
}
```

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(150, 185, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 130) }
```

## Border

The CSS property to change the border of an element to RYB 130, 185, 165 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(150, 185, 130) }
```

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

```
.border{ border-color:rgb(150, 185, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 185, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 130);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
130) }
```

# Background

The CSS property to change the background color of an element to RYB 130, 185, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 185, 130) }
```

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

```
.background{ background-color: rgb(150,  
185, 130) }
```

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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