

# Converting Colors

`RYB(90, 137, 160)`

Have a look what the booklet for  
RYB(90, 137, 160) contains.

<b>RYB(90, 137, 160)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(90, 137, 160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AA07C
RGB	90, 160, 124
RGB Percent	35%, 63%, 49%
CMY	0.6471, 0.3725, 0.5127
CMYK	0.44, 0.00, 0.22, 0.37
HSL	149°, 28%, 49%
HSV	149°, 44%, 63%
XYZ	20.4415, 28.7770, 23.6307
YIQ	134.9660, -30.1640, -26.0360

# Conversions

## Conversions Part 2

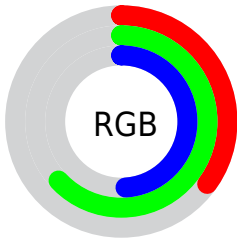
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 137, 160
Decimal	5939324
CIELab	60.58, -30.54, 11.85
CIELCh	61, 32.756, 158.788
Yxy	28.7770, 0.2806, 0.3950
Android (android.graphics.Color)	4284129404 (0xFF5AA07C)
YUV	134.9660, -5.4062, -39.4352
Hunter-Lab	53.6442, -25.8585, 11.4332

# Details

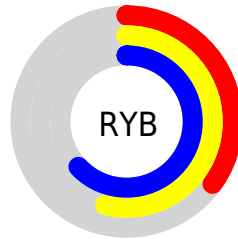
The RYB color **90, 137, 160** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **160, 90, 126**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **143, 192, 215**, and **37, 83, 108** is the 20% darker color. If you saturate the color by 10%, you get **74, 132, 160**, and if you desaturate by 10%, it is **106, 142, 160**.

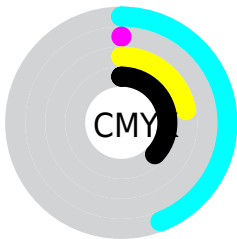
# Distribution



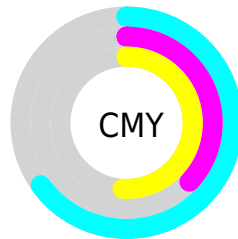
- Red (35%)
- Green (63%)
- Blue (49%)



- Red (35%)
- Yellow (54%)
- Blue (63%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (37%)



- Cyan (65%)
- Magenta (37%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 90, 137, 160 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 90, 137, 160 by changing the saturation by 10% instead.





90, 137, 160



90, 137, 160

255, 255, 255



64, 111, 134



143, 192, 215



37, 83, 108



171, 221, 244



1, 51, 83



199, 234, 255



0, 39, 59



228, 242, 255



0, 31, 38



0, 4, 4



0, 0, 0



90, 137, 160




90, 137, 160




74, 132, 160




106, 142, 160


 58, 126, 160


 122, 147, 160


 42, 121, 160


 138, 153, 160


 26, 116, 160


 154, 158, 160

 10, 111, 160


 170, 160, 165

 0, 108, 160

 186, 160, 173

 202, 160, 181

 218, 160, 190

 234, 160, 198

# Harmonies

## Analogous

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



100, 155, 130



90, 137, 160



51, 109, 162

# Triad

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



90, 137, 160



119, 139, 203



199, 132, 111

# Complementary

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



90, 137, 160



160, 90, 126

# 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.



202, 124, 139



90, 137, 160



161, 136, 191

# Square

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



90, 137, 160



69, 121, 199



189, 127, 168



183, 179, 93

# Rectangle

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



90, 137, 160



30, 98, 173



189, 127, 168



202, 126, 120



# Sweetspot

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



90, 137, 160



182, 200, 209



90, 160, 124



88, 100, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



90, 137, 160



98, 172, 209



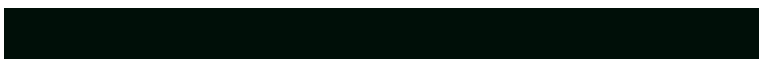
90, 125, 160



71, 76, 79



0, 96, 143



0, 10, 15



# Inverse Universe

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



160, 90, 126



209, 98, 155



160, 90, 91



79, 71, 75



143, 0, 73



15, 0, 8



# Previews

## White Background



This preview shows how the RYB color 90, 137, 160 looks on a white background.

## Color Contrast Check

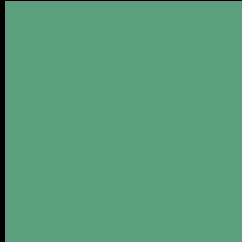
Large Text (above 18pt) WCAG AA ✓ Pass

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 90, 137, 160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

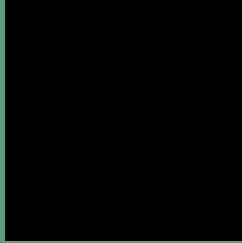
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 90, 137, 160 Background**



This preview shows how black text looks on a background with the RYB color 90, 137, 160.

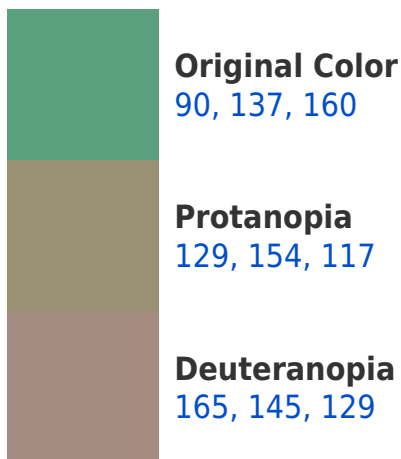



This preview shows how white text looks on a background with the RYB color 90, 137, 160.

# 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**  
100, 130, 167

# Trichromacy



**Original Color**  
90, 137, 160

**Protanomaly**  
120, 150, 139

**Deuteranomaly**  
127, 147, 136

**Tritanomaly**  
96, 127, 156

# Monochromacy



**Original Color**  
90, 137, 160

**Achromatopsia**  
135, 135, 135

**Achromatomaly**  
119, 136, 144

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 90, 137, 160 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(90, 160, 124)` looks like.

```
.text, #text, p{  
    color:rgb(90, 160, 124)  
}
```

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(90, 160, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 160, 124) }
```

## Border

The CSS property to change the border of an element to RYB 90, 137, 160 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(90, 160, 124) }
```

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

```
.border{ border-color:rgb(90, 160, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 160, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 160, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 160, 124);  
box-shadow:4px 4px 4px 4px rgb(90, 160,  
124) }
```

# Background

The CSS property to change the background color of an element to RGB 90, 137, 160 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 160, 124) }
```

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

```
.background{ background-color: rgb(90, 160,  
124) }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor