

# Converting Colors

`RYB(113, 178, 157)`

Have a look what the booklet for  
RYB(113, 178, 157) contains.

<b>RYB(113, 178, 157)</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

**`RYB(113, 178, 157)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	86B271
RGB	134, 178, 113
RGB Percent	53%, 70%, 44%
CMY	0.4745, 0.3020, 0.5569
CMYK	0.25, 0.00, 0.37, 0.30
HSL	101°, 30%, 57%
HSV	101°, 37%, 70%
XYZ	28.7325, 38.1014, 21.4627
YIQ	157.4340, -5.3590, -29.5430

# Conversions

## Conversions Part 2

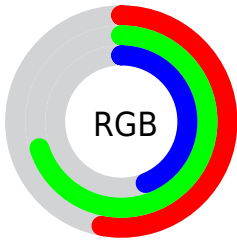
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">113, 178, 157</a>
Decimal	<a href="#">8827505</a>
CIELab	<a href="#">68.10, -26.91, 28.60</a>
CIELCh	<a href="#">68, 39.267, 133.261</a>
Yxy	<a href="#">38.1014, 0.3254, 0.4315</a>
Android (android.graphics.Color)	<a href="#">4287017585</a> ( <a href="#">0xFF86B271</a> )
YUV	<a href="#">157.4340, -21.9060, -20.5516</a>
Hunter-Lab	<a href="#">61.7263, -24.9323, 22.5928</a>

# Details

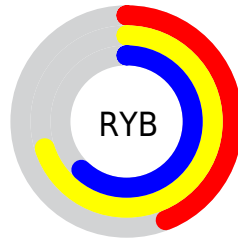
The RYB color **113, 178, 157** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **157, 113, 178**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **165, 234, 211**, and **64, 125, 106** is the 20% darker color. If you saturate the color by 10%, you get **95, 178, 151**, and if you desaturate by 10%, it is **131, 178, 163**.

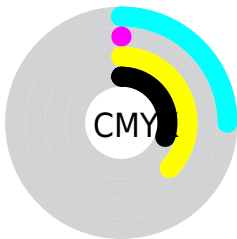
# Distribution



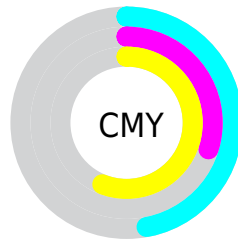
- Red (53%)
- Green (70%)
- Blue (44%)



- Red (44%)
- Yellow (70%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)



- Cyan (47%)
- Magenta (30%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 113, 178, 157 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 113, 178, 157 by changing the saturation by 10% instead.



 113, 178, 157


255, 255, 255


 165, 234, 211


 193, 255, 231


 221, 255, 231

 250, 255, 250

 113, 178, 157


 88, 151, 131

 64, 125, 106

 41, 100, 83


 18, 76, 61

 0, 52, 43


 0, 33, 33


 0, 0, 0

 113, 178, 157


 95, 178, 151


 113, 178, 157


 131, 178, 163


 77, 178, 145


 149, 178, 169

 60, 178, 140

 166, 178, 174


 42, 178, 134

 182, 178, 184

 24, 178, 128


 194, 178, 202

 6, 178, 122

 206, 178, 220

 0, 178, 120

 218, 178, 238

 230, 178, 255

 242, 178, 255

# Harmonies

## Analogous

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



100, 173, 96



113, 178, 157



88, 148, 183

# Triad

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



113, 178, 157



74, 136, 233



235, 138, 151

# Complementary

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



113, 178, 157



157, 113, 178

# 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, 141, 187



113, 178, 157



139, 159, 235

# Square

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



113, 178, 157



0, 98, 213



190, 151, 218



228, 153, 119

# Rectangle

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



113, 178, 157



49, 121, 185



190, 151, 218



233, 138, 163

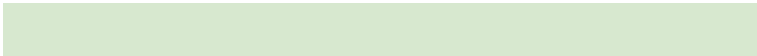


# Sweetspot

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



113, 178, 157



207, 232, 224



146, 178, 113



102, 117, 112



245, 245, 245



117, 117, 117



# Same Dimension

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



113, 178, 157



130, 232, 199



113, 169, 178



80, 89, 86



0, 153, 104



0, 26, 18



# Inverse Universe

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



157, 113, 178



199, 130, 232



178, 113, 167



86, 80, 89



104, 0, 153



17, 0, 26



# Previews

## White Background



This preview shows how the RYB color 113, 178, 157 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 113, 178, 157 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 113, 178, 157 Background**



This preview shows how black text looks on a background with the RYB color 113, 178, 157.

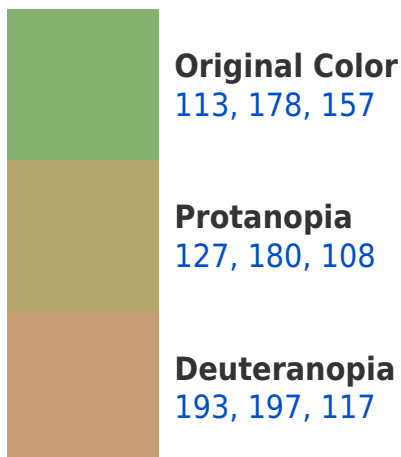


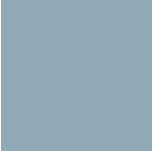
This preview shows how white text looks on a background with the RYB color 113, 178, 157.

# 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**  
145, 160, 183

# Trichromacy



**Original Color**  
113, 178, 157

**Protanomaly**  
110, 170, 117

**Deuteranomaly**  
127, 174, 116

**Tritanomaly**  
141, 161, 172

# Monochromacy



**Original Color**  
113, 178, 157

**Achromatopsia**  
157, 157, 157

**Achromatomaly**  
141, 165, 157

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 113, 178, 157 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(134, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(134, 178, 113)  
}
```

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(134, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 178, 113) }
```

## Border

The CSS property to change the border of an element to RYB 113, 178, 157 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(134, 178, 113) }
```

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

```
.border{ border-color:rgb(134, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(134, 178,  
113) }
```

# Background

The CSS property to change the background color of an element to RYB 113, 178, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 178, 113) }
```

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

```
.background{ background-color: rgb(134,  
178, 113) }
```

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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