

# Converting Colors

`RYB(87, 130, 107)`

Have a look what the booklet for  
RYB(87, 130, 107) contains.

<b>RYB(87, 130, 107)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(87, 130, 107)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E8257
RGB	110, 130, 87
RGB Percent	43%, 51%, 34%
CMY	0.5686, 0.4902, 0.6588
CMYK	0.15, 0.00, 0.33, 0.49
HSL	88°, 20%, 43%
HSV	88°, 33%, 51%
XYZ	16.1333, 19.9684, 12.0208
YIQ	119.1180, 1.8830, -17.6130

# Conversions

## Conversions Part 2

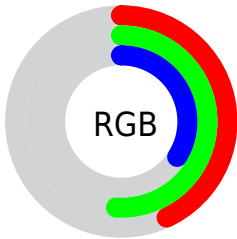
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 130, 107
Decimal	7242327
CIELab	51.80, -15.41, 20.95
CIELCh	52, 26.008, 126.323
Yxy	19.9684, 0.3353, 0.4149
Android (android.graphics.Color)	4285432407 (0xFF6E8257)
YUV	119.1180, -15.8342, -7.9965
Hunter-Lab	44.6860, -13.7552, 15.3308

# Details

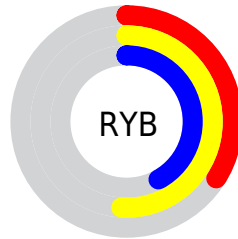
The RYB color **87, 130, 107** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **107, 87, 130**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **137, 183, 158**, and **41, 81, 61** is the 20% darker color. If you saturate the color by 10%, you get **74, 130, 100**, and if you desaturate by 10%, it is **100, 130, 114**.

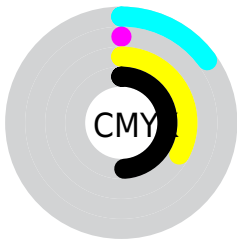
# Distribution



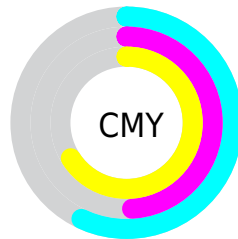
- Red (43%)
- Green (51%)
- Blue (34%)



- Red (34%)
- Yellow (51%)
- Blue (42%)



- Cyan (15%)
- Magenta (0%)
- Yellow (33%)
- Black (49%)



- Cyan (57%)
- Magenta (49%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 87, 130, 107 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 87, 130, 107 by changing the saturation by 10% instead.





87, 130, 107



87, 130, 107

255, 255, 255



63, 105, 83



137, 183, 158



41, 81, 61



164, 211, 186



19, 58, 38



191, 239, 213



0, 36, 16



219, 255, 228



0, 12, 12



247, 255, 247



0, 0, 0



87, 130, 107



87, 130, 107



74, 130, 100



100, 130, 114



61, 130, 93



113, 130, 121

■ 48, 130, 86

■ 126, 130, 128

■ 35, 130, 79

■ 134, 130, 139

■ 22, 130, 72

■ 140, 130, 152

■ 9, 130, 65

■ 146, 130, 165

■ 0, 130, 60

■ 152, 130, 178

■ 158, 130, 191

■ 164, 130, 204

# Harmonies

## Analogous

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



91, 134, 79



87, 130, 107



84, 119, 134

# Triad

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



87, 130, 107



67, 106, 164



167, 107, 120

# Complementary

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



87, 130, 107



107, 87, 130

# 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.



156, 109, 142



87, 130, 107



101, 118, 167

# Square

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



87, 130, 107



47, 94, 149



133, 116, 159



166, 111, 98

# Rectangle

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



87, 130, 107



66, 105, 135



133, 116, 159



165, 107, 127



# Sweetspot

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



87, 130, 107



151, 168, 159



130, 121, 87



74, 84, 79



212, 212, 212



84, 84, 84



# Same Dimension

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



87, 130, 107



101, 168, 132



87, 130, 128



57, 64, 60



0, 128, 60



0, 0, 0



# Inverse Universe

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



107, 87, 130



132, 101, 168



128, 87, 130



60, 57, 64



59, 0, 128



0, 0, 0



# Previews

## White Background



This preview shows how the RYB color 87, 130, 107 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 87, 130, 107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

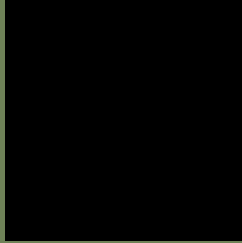
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

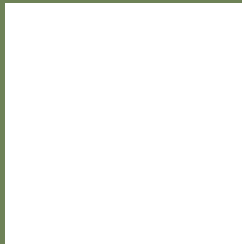
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 87, 130, 107 Background



This preview shows how black text looks on a background with the RYB color 87, 130, 107.



This preview shows how white text looks on a background with the RYB color 87, 130, 107.

# 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**

87, 130, 107

**Protanopia**

97, 133, 84

**Deuteranopia**

146, 146, 90



**Tritanopia**  
117, 122, 134

# Trichromacy



**Original Color**

87, 130, 107

**Protanomaly**

85, 126, 86

**Deuteranomaly**

104, 133, 89

**Tritanomaly**

114, 124, 126

# Monochromacy



**Original Color**

87, 130, 107

**Achromatopsia**

119, 119, 119

**Achromatomaly**

107, 123, 114

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 87, 130, 107 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(110, 130, 87)` looks like.

```
.text, #text, p{  
    color:rgb(110, 130, 87)  
}
```

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(110, 130, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 130, 87) }
```

## Border

The CSS property to change the border of an element to RYB 87, 130, 107 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(110, 130, 87) }
```

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

```
.border{ border-color:rgb(110, 130, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 130, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 130, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 130, 87); box-shadow:4px 4px 4px 4px rgb(110, 130, 87) }
```

# Background

The CSS property to change the background color of an element to RYB 87, 130, 107 is called "background".

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

```
.background, #background, body{  
background: rgb(110, 130, 87) }
```

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

```
.background{ background-color: rgb(110,  
130, 87) }
```

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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