Converting Colors

RYB(90, 122, 128)

Have a look what the booklet for RYB(90, 122, 128) contains.

Color

RYB(90, 122, 128)

Conversions

Conversions Part 1

Format	Color
Hex	5A8061
RGB	90, 128, 97
RGB Percent	35%, 50%, 38%
CMY	0.6471, 0.4980, 0.6191
CMYK	0.30, 0.00, 0.24, 0.50
HSL	131°, 17%, 43%
HSV	131°, 30%, 50%
XYZ	14.0991, 18.4774, 14.1632
YIQ	113.1040, -12.6970, -17.6970

Conversions

Conversions Part 2

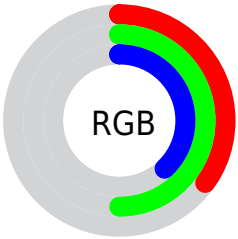
Format	Color
RYB	90, 122, 128
Decimal	5931105
CIELab	50.07, -20.10, 12.58
CIELCh	50, 23.715, 147.969
Yxy	18.4774, 0.3017, 0.3953
Android (android.graphics.Color)	4284121185 (0xFF5A8061)
YUV	113.1040, -7.9393, -20.2622
Hunter-Lab	42.9854, -16.6767, 10.5543

Details

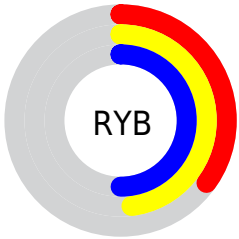
The RYB color 90, 122, 128 is a dark color, and the websafe version is hex 669966. A complement of this color would be 128, 90, 121, and the grayscale version is 113, 113, 113.

A 20% lighter version of the original color is 141, 175, 181, and 42, 72, 79 is the 20% darker color. If you saturate the color by 10%, you get 77, 120, 128, and if you desaturate by 10%, it is 103, 124, 128.

Distribution

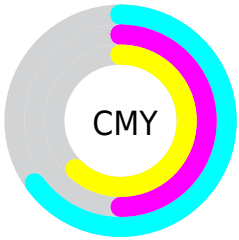


- Red (35%)
- Green (50%)
- Blue (38%)



- Red (35%)
- Yellow (48%)
- Blue (50%)

- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (50%)



- Cyan (65%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 122, 128 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, 122, 128 by changing the saturation by 10% instead.

90, 122, 128	90, 122, 128
255, 255, 255	66, 97, 103
141, 175, 181	42, 72, 79
168, 204, 209	19, 47, 55
195, 231, 237	0, 30, 34
223, 249, 255	0, 0, 0
252, 254, 255	

90, 122, 128	90, 122, 128
77, 120, 128	103, 124, 128
64, 118, 128	116, 126, 128

52, 116, 128

39, 114, 128

26, 112, 128

13, 110, 128

0, 108, 128

128, 128, 128

141, 128, 139

154, 128, 149

167, 128, 160

180, 128, 170

192, 128, 180

205, 128, 191

Harmonies

Analogous

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

83, 124, 94

90, 122, 128

67, 102, 130

Triad

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

90, 122, 128

90, 111, 159

159, 105, 101

Complementary

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

90, 122, 128

128, 90, 121

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.

157, 104, 121

90, 122, 128

120, 114, 155

Square

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

90, 122, 128

63, 100, 153

144, 108, 141

151, 127, 86

Rectangle

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

90, 122, 128

56, 93, 131

144, 108, 141

160, 104, 108

Sweetspot

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

90, 122, 128

151, 164, 166

90, 128, 97

75, 82, 84

212, 212, 212

84, 84, 84

Same Dimension

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

90, 122, 128

106, 157, 166

90, 113, 128

57, 62, 64

0, 108, 128

0, 0, 0

Inverse Universe

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

128, 90, 121

166, 106, 155

128, 90, 102

64, 57, 63

128, 0, 104

0, 0, 0

Previews

White Background

This preview shows how the RYB color 90, 122, 128 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

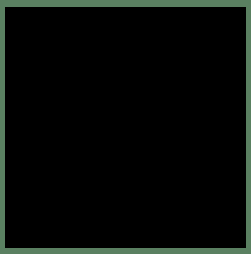
This preview shows how the RYB color 90, 122, 128 looks on a black background.

Color Contrast Check

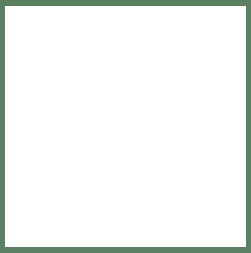
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 90, 122, 128 Background



This preview shows how black text looks on a background with the RYB color 90, 122, 128.

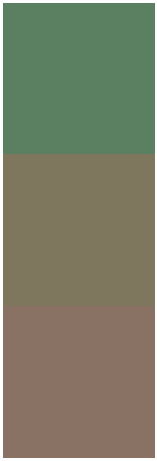


This preview shows how white text looks on a background with the RYB color 90, 122, 128.

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
90, 122, 128

Protanopia
102, 126, 93

Deuteranopia
137, 123, 100

Tritanopia
97, 112, 133

Trichromacy

Original Color
90, 122, 128

Protanomaly
95, 122, 104

Deuteranomaly
100, 120, 99

Tritanomaly
94, 111, 125

Monochromacy

Original Color
90, 122, 128

Achromatopsia
113, 113, 113

Achromatomaly
105, 116, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 122, 128 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, 128, 97) looks like.

```
.text, #text, p{
    color:rgb(90, 128, 97)
}
```

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, 128, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 97) }
```

Border

The CSS property to change the border of an element to RYB 90, 122, 128 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, 128, 97) }
```

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

```
.border{ border-color:rgb(90, 128, 97) }
```

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

Here you see how a box with a 4 pixel rgb(90, 128, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 128, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 128, 97); box-shadow:4px 4px 4px 4px rgb(90, 128, 97) }
```

Background

The CSS property to change the background color of an element to RYB 90, 122, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(90, 128, 97) }
```

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

```
.background{ background-color:rgb(90, 128,
97) }
```

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