Converting Colors

RYB(63, 100, 126)

Have a look what the booklet for RYB(63, 100, 126) contains.

Color

RYB(63, 100, 126)

Conversions

Conversions Part 1

Format	Color
Hex	3F7E6B
RGB	63, 126, 107
RGB Percent	25%, 49%, 42%
CMY	0.7529, 0.5059, 0.5793
CMYK	0.50, 0.00, 0.15, 0.51
HSL	162°, 33%, 37%
HSV	162°, 50%, 49%
XYZ	12.1788, 17.0457, 16.6328
YIQ	104.9970, -31.4490, -19.2650

Conversions

Conversions Part 2

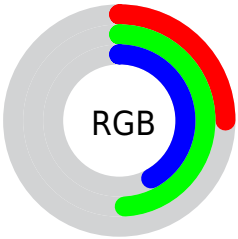
Format	Color
RYB	63, 100, 126
Decimal	4161131
CIELab	48.32, -25.16, 3.98
CIELCh	48, 25.471, 171.013
Yxy	17.0457, 0.2656, 0.3717
Android (android.graphics.Color)	4282351211 (0xFF3F7E6B)
YUV	104.9970, 0.9875, -36.8314
Hunter-Lab	41.2864, -19.5966, 5.0147

Details

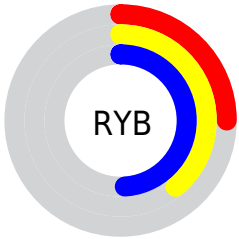
The RYB color 63, 100, 126 is a dark color, and the websafe version is hex 006666. A complement of this color would be 126, 63, 82, and the grayscale version is 105, 105, 105.

A 20% lighter version of the original color is 115, 153, 179, and 3, 44, 76 is the 20% darker color. If you saturate the color by 10%, you get 50, 94, 126, and if you desaturate by 10%, it is 76, 105, 126.

Distribution

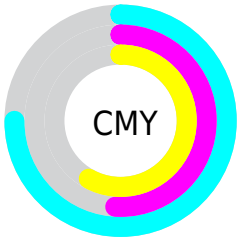


- Red (25%)
- Green (49%)
- Blue (42%)



- Red (25%)
- Yellow (39%)
- Blue (49%)

- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (51%)



- Cyan (75%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 100, 126 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 63, 100, 126 by changing the saturation by 10% instead.

63, 100, 126

255, 255, 255

115, 153, 179

142, 181, 207

169, 209, 235

197, 230, 255

226, 241, 255

63, 100, 126

37, 74, 101

3, 44, 76

0, 31, 53

0, 21, 33

0, 0, 0

63, 100, 126

50, 94, 126

38, 90, 126

63, 100, 126

76, 105, 126

88, 110, 126

25, 84, 126

13, 80, 126

0, 74, 126

101, 116, 126

113, 121, 126

126, 126, 126

139, 126, 130

151, 126, 133

164, 126, 137

176, 126, 141

Harmonies

Analogous

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

87, 123, 121

63, 100, 126

41, 84, 129

Triad

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

63, 100, 126

108, 112, 155

151, 114, 82

Complementary

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

63, 100, 126

126, 63, 82

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, 99, 100

63, 100, 126

136, 104, 142

Square

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

63, 100, 126

75, 104, 157

153, 99, 122

111, 135, 72

Rectangle

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

63, 100, 126

39, 86, 142

153, 99, 122

154, 106, 87

Sweetspot

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

63, 100, 126

139, 153, 163

63, 126, 107

67, 76, 82

209, 209, 209

82, 82, 82

Same Dimension

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

63, 100, 126

65, 123, 163

63, 91, 126

57, 61, 64

0, 75, 128

0, 0, 0

Inverse Universe

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

126, 63, 82

163, 65, 94

126, 79, 63

64, 57, 59

128, 0, 38

0, 0, 0

Previews

White Background

This preview shows how the RYB color 63, 100, 126 looks on a white 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

Black Background

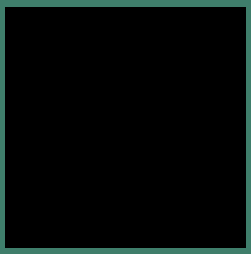
This preview shows how the RYB color 63, 100, 126 looks on a black background.

Color Contrast Check

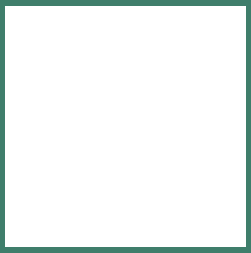
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 63, 100, 126 Background



This preview shows how black text looks on a background with the RYB color 63, 100, 126.

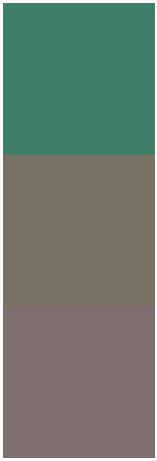


This preview shows how white text looks on a background with the RYB color 63, 100, 126.

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
63, 100, 126

Protanopia
108, 119, 101

Deuteranopia
126, 110, 111

Tritanopia
70, 98, 132

Trichromacy

Original Color
63, 100, 126

Protanomaly
99, 115, 118

Deuteranomaly
103, 111, 116

Tritanomaly
67, 95, 123

Monochromacy

Original Color
63, 100, 126

Achromatopsia
105, 105, 105

Achromatomaly
90, 104, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 100, 126 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(63, 126, 107) looks like.

```
.text, #text, p{
    color:rgb(63, 126, 107)
}
```

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(63, 126, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 126, 107) }
```

Border

The CSS property to change the border of an element to RYB 63, 100, 126 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(63, 126, 107) }
```

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

```
.border{ border-color:rgb(63, 126, 107) }
```

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

Here you see how a box with a 4 pixel rgb(63, 126, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 126, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 126, 107); box-shadow:4px 4px 4px 4px rgb(63, 126, 107) }
```

Background

The CSS property to change the background color of an element to RYB 63, 100, 126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(63, 126, 107) }
```

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

```
.background{ background-color:rgb(63, 126,
107) }
```

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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