

Converting Colors

`RYB(100, 163, 126)`

Have a look what the booklet for
RYB(100, 163, 126) contains.

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Color

R_YB(100, 163, 126)

Conversions

Conversions Part 1

Format	Color
Hex	89A364
RGB	137, 163, 100
RGB Percent	54%, 64%, 39%
CMY	0.4627, 0.3608, 0.6078
CMYK	0.16, 0.00, 0.39, 0.36
HSL	85°, 26%, 52%
HSV	85°, 39%, 64%
XYZ	25.7140, 32.4329, 16.9615
YIQ	148.0440, 4.7270, -25.1050

Conversions

Conversions Part 2

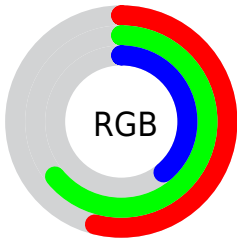
Format	Color
RYB	100, 163, 126
Decimal	9020260
CIELab	63.70, -20.15, 29.80
CIELCh	64, 35.972, 124.066
Yxy	32.4329, 0.3424, 0.4318
Android (android.graphics.Color)	4287210340 (0xFF89A364)
YUV	148.0440, -23.6857, -9.6856
Hunter-Lab	56.9498, -19.0660, 22.2064

Details

The RYB color **100, 163, 126** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **126, 100, 163**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **152, 218, 179**, and **52, 111, 77** is the 20% darker color. If you saturate the color by 10%, you get **84, 163, 117**, and if you desaturate by 10%, it is **116, 163, 135**.

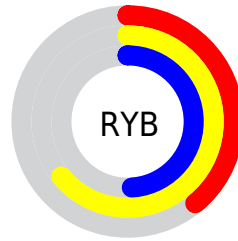
Distribution



Red (54%)

Green (64%)

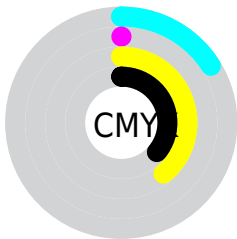
Blue (39%)



Red (39%)

Yellow (64%)

Blue (49%)

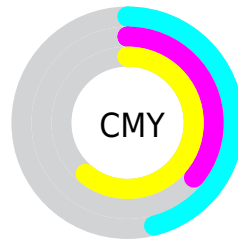


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (36%)



Cyan (46%)

Magenta (36%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 163, 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 100, 163, 126 by changing the saturation by 10% instead.

■ 100, 163, 126

255, 255, 255

■ 152, 218, 179

■ 179, 246, 206

■ 206, 255, 213

■ 235, 255, 235

■ 100, 163, 126

■ 84, 163, 117

■ 100, 163, 126

■ 75, 137, 101

■ 52, 111, 77

■ 29, 87, 55

■ 5, 63, 30

■ 0, 41, 25

■ 0, 21, 21

■ 0, 0, 0

■ 100, 163, 126

■ 116, 163, 135

■ 67, 163, 106

■ 133, 163, 146

■ 51, 163, 97

■ 149, 163, 155

■ 35, 163, 88

■ 164, 163, 165

■ 19, 163, 79

■ 171, 163, 181

■ 2, 163, 68

■ 177, 163, 198

■ 0, 163, 67

■ 184, 163, 214

■ 191, 163, 230

■ 198, 163, 247

Harmonies

Analogous

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



112, 171, 90



100, 163, 126



98, 149, 169

Triad

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



100, 163, 126



54, 119, 211



215, 129, 151

Complementary

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



100, 163, 126



126, 100, 163

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.



198, 134, 183



100, 163, 126



114, 144, 218

Square

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



100, 163, 126



0, 89, 189



164, 144, 207



214, 135, 120

Rectangle

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



100, 163, 126



68, 126, 171



164, 144, 207



212, 130, 162

Sweetspot

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



100, 163, 126



186, 212, 197



163, 141, 100



92, 107, 98



235, 235, 235



107, 107, 107

Same Dimension

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



100, 163, 126



114, 212, 155



100, 163, 157



73, 82, 77



0, 145, 60



0, 18, 8

Inverse Universe

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



126, 100, 163



154, 114, 212



157, 100, 163



77, 73, 82



60, 0, 145



7, 0, 18

Previews

White Background



This preview shows how the RYB color 100, 163, 126 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 100, 163, 126 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 100, 163, 126 Background



This preview shows how black text looks on a background with the RYB color 100, 163, 126.



This preview shows how white text looks on a background with the RYB color 100, 163, 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](#).

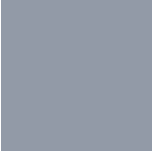
Dichromacy



Original Color
100, 163, 126

Protanopia
113, 168, 96

Deuteranopia
173, 184, 104



Tritanopia
146, 152, 167

Trichromacy



Original Color

100, 163, 126

Protanomaly

97, 157, 97

Deuteranomaly

121, 167, 103

Tritanomaly

143, 158, 158

Monochromacy



Original Color

100, 163, 126

Achromatopsia

148, 148, 148

Achromatomaly

131, 153, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 163, 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(137, 163, 100)` looks like.

```
.text, #text, p{  
    color:rgb(137, 163, 100)  
}
```

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(137, 163, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 163, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 163, 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(137, 163, 100) }
```

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

```
.border{ border-color:rgb(137, 163, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 163, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 163, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 163, 100);  
box-shadow:4px 4px 4px 4px rgb(137, 163,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 163, 126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 163, 100) }
```

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

```
.background{ background-color: rgb(137,  
163, 100) }
```

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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