

Converting Colors

`RYB(39, 102, 127)`

Have a look what the booklet for
RYB(39, 102, 127) contains.

RYB(39, 102, 127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(39, 102, 127)`

Conversions

Conversions Part 1

Format	Color
Hex	277F4A
RGB	39, 127, 74
RGB Percent	15%, 50%, 29%
CMY	0.8471, 0.5020, 0.7101
CMYK	0.69, 0.00, 0.42, 0.50
HSL	144°, 53%, 33%
HSV	144°, 69%, 50%
XYZ	9.6594, 16.1034, 9.0637
YIQ	94.6460, -35.4350, -35.1390

Conversions

Conversions Part 2

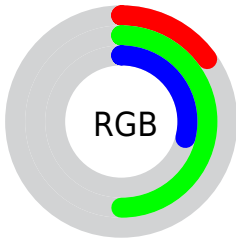
Format	Color
RYB	39, 102, 127
Decimal	2588490
CIELab	47.11, -38.69, 21.48
CIELCh	47, 44.257, 150.960
Yxy	16.1034, 0.2774, 0.4624
Android (android.graphics.Color)	4280778570 (0xFF277F4A)
YUV	94.6460, -10.1785, -48.8015
Hunter-Lab	40.1291, -27.2593, 14.6989

Details

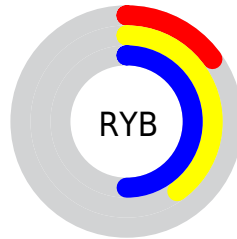
The RYB color **39, 102, 127** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **127, 39, 92**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **96, 161, 181**, and **0, 56, 77** is the 20% darker color. If you saturate the color by 10%, you get **26, 98, 127**, and if you desaturate by 10%, it is **52, 106, 127**.

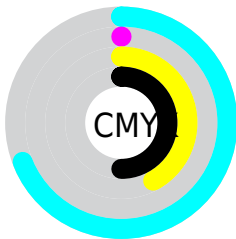
Distribution



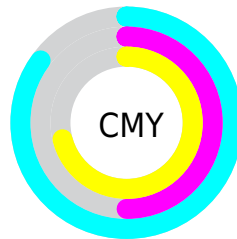
- Red (15%)
- Green (50%)
- Blue (29%)



- Red (15%)
- Yellow (40%)
- Blue (50%)



- Cyan (69%)
- Magenta (0%)
- Yellow (42%)
- Black (50%)



- Cyan (85%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 39, 102, 127 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 39, 102, 127 by changing the saturation by 10% instead.



39, 102, 127



39, 102, 127

255, 255, 255



0, 67, 101



96, 161, 181



0, 56, 77



123, 188, 208



0, 48, 53



151, 218, 237



0, 32, 32



179, 236, 255



0, 0, 0



207, 239, 255



236, 246, 255



39, 102, 127



39, 102, 127



26, 98, 127



52, 106, 127

■ 14, 95, 127

■ 64, 109, 127

■ 1, 91, 127

■ 77, 113, 127

■ 0, 91, 127

■ 90, 116, 127

■ 102, 120, 127

■ 115, 123, 127

■ 128, 127, 128

■ 141, 127, 135

■ 153, 127, 143

Harmonies

Analogous

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



44, 121, 72



39, 102, 127



0, 70, 130

Triad

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



39, 102, 127



24, 82, 186



178, 84, 76

Complementary

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



39, 102, 127



127, 39, 92

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.



178, 78, 112



39, 102, 127



114, 101, 176

Square

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



39, 102, 127



0, 73, 176



158, 86, 148



160, 135, 46

Rectangle

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



39, 102, 127



0, 67, 137



158, 86, 148



180, 80, 87

Sweetspot

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



39, 102, 127



131, 156, 166



39, 127, 73



63, 78, 84



212, 212, 212



84, 84, 84

Same Dimension

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



39, 102, 127



28, 127, 166



39, 86, 127



57, 62, 64



0, 92, 128



0, 0, 0

Inverse Universe

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



127, 39, 92



166, 28, 111



127, 39, 49



64, 57, 61



128, 0, 77



0, 0, 0

Previews

White Background



This preview shows how the RYB color 39, 102, 127 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 39, 102, 127 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 39, 102, 127 Background



This preview shows how black text looks on a background with the RYB color 39, 102, 127.



This preview shows how white text looks on a background with the RYB color 39, 102, 127.

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

[39](#), [102](#), [127](#)

Protanopia

[80](#), [121](#), [68](#)

Deuteranopia

[130](#), [132](#), [79](#)



Tritanopia
59, 92, 130

Trichromacy



Original Color

39, 102, 127

Protanomaly

70, 117, 96

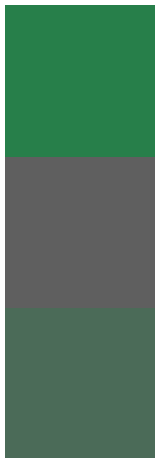
Deuteranomaly

77, 114, 93

Tritanomaly

52, 91, 123

Monochromacy



Original Color

39, 102, 127

Achromatopsia

95, 95, 95

Achromatomaly

75, 98, 107

CSS Examples

Text

The CSS property to change the color of the text to RYB 39, 102, 127 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(39, 127, 74)` looks like.

```
.text, #text, p{  
    color:rgb(39, 127, 74)  
}
```

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(39, 127, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 127, 74) }
```

Border

The CSS property to change the border of an element to RYB 39, 102, 127 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(39, 127, 74) }
```

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

```
.border{ border-color:rgb(39, 127, 74) }
```

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

Here you see how a box with a 4 pixel rgb(39, 127, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 127, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 127, 74);  
box-shadow:4px 4px 4px 4px rgb(39, 127,  
74) }
```

Background

The CSS property to change the background color of an element to RGB 39, 102, 127 is called "background".

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

```
.background, #background, body{  
background: rgb(39, 127, 74) }
```

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

```
.background{ background-color: rgb(39, 127,  
74) }
```

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