

Converting Colors

`RYB(63, 146, 157)`

Have a look what the booklet for
RYB(63, 146, 157) contains.

RYB(63, 146, 157)	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(63, 146, 157)`

Conversions

Conversions Part 1

Format	Color
Hex	3F9D4B
RGB	63, 157, 75
RGB Percent	25%, 62%, 29%
CMY	0.7529, 0.3843, 0.7041
CMYK	0.60, 0.00, 0.52, 0.38
HSL	128°, 43%, 43%
HSV	128°, 60%, 62%
XYZ	15.3926, 25.6850, 10.8855
YIQ	119.5460, -29.7020, -45.4300

Conversions

Conversions Part 2

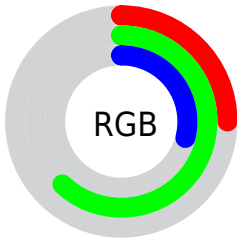
Format	Color
RYB	63, 146, 157
Decimal	4169035
CIELab	57.74, -45.29, 34.31
CIELCh	58, 56.820, 142.856
Yxy	25.6850, 0.2962, 0.4943
Android (android.graphics.Color)	4282359115 (0xFF3F9D4B)
YUV	119.5460, -21.9612, -49.5908
Hunter-Lab	50.6804, -34.4768, 22.7415

Details

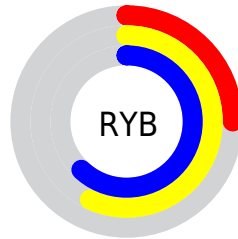
The RYB color **63, 146, 157** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **157, 63, 145**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **120, 206, 212**, and **0, 84, 105** is the 20% darker color. If you saturate the color by 10%, you get **47, 144, 157**, and if you desaturate by 10%, it is **79, 148, 157**.

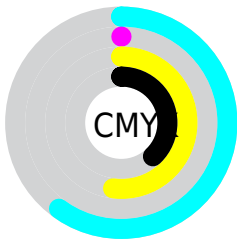
Distribution



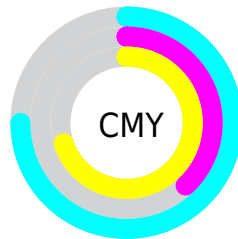
- Red (25%)
- Green (62%)
- Blue (29%)



- Red (25%)
- Yellow (57%)
- Blue (62%)



- Cyan (60%)
- Magenta (0%)
- Yellow (52%)
- Black (38%)



- Cyan (75%)
- Magenta (38%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 146, 157 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, 146, 157 by changing the saturation by 10% instead.



63, 146, 157



63, 146, 157

255, 255, 255



30, 113, 130



120, 206, 212



0, 84, 105



148, 237, 241



0, 79, 80



176, 251, 255



0, 55, 55



205, 253, 255



0, 34, 34



234, 253, 255



0, 0, 0



63, 146, 157



63, 146, 157



47, 144, 157



79, 148, 157



32, 143, 157



94, 149, 157

■ 16, 140, 157

■ 110, 152, 157

■ 0, 138, 157

■ 126, 153, 157

■ 142, 155, 157

■ 157, 157, 157

■ 173, 157, 171

■ 189, 157, 184

■ 204, 157, 198

Harmonies

Analogous

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



37, 147, 56



63, 146, 157



0, 91, 162

Triad

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



63, 146, 157



0, 91, 237



228, 95, 103

Complementary

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



63, 146, 157



157, 63, 145

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.



222, 93, 153



63, 146, 157



118, 130, 231

Square

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



63, 146, 157



0, 91, 217



187, 109, 199



210, 140, 60

Rectangle

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



63, 146, 157



0, 83, 163



187, 109, 199



229, 92, 119

Sweetspot

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



63, 146, 157



167, 200, 204



63, 157, 74



80, 99, 102



230, 230, 230



102, 102, 102

Same Dimension

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



63, 146, 157



57, 186, 204



63, 121, 157



71, 78, 79



0, 126, 143



0, 13, 15

Inverse Universe

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



157, 63, 145



204, 57, 185



157, 63, 99



79, 71, 78



143, 0, 124



15, 0, 13

Previews

White Background



This preview shows how the RYB color 63, 146, 157 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 63, 146, 157 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 63, 146, 157 Background



This preview shows how black text looks on a background with the RYB color 63, 146, 157.



This preview shows how white text looks on a background with the RYB color 63, 146, 157.

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, 146, 157

Protanopia
86, 152, 69

Deuteranopia
144, 167, 82



Tritanopia
85, 119, 160

Trichromacy



Original Color

63, 146, 157



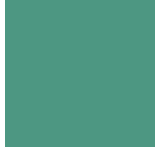
Protanomaly

71, 145, 96



Deuteranomaly

80, 140, 91



Tritanomaly

77, 120, 151

Monochromacy



Original Color

63, 146, 157



Achromatopsia

120, 120, 120



Achromatomaly

99, 129, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 146, 157 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, 157, 75)` looks like.

```
.text, #text, p{  
    color:rgb(63, 157, 75)  
}
```

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, 157, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 157, 75) }
```

Border

The CSS property to change the border of an element to RYB 63, 146, 157 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, 157, 75) }
```

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

```
.border{ border-color:rgb(63, 157, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 157, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 157, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 157, 75);  
box-shadow:4px 4px 4px 4px rgb(63, 157,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 63, 146, 157 is called "background".

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

```
.background, #background, body{  
background: rgb(63, 157, 75) }
```

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

```
.background{ background-color: rgb(63, 157,  
75) }
```

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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