

Converting Colors

`RYB(61, 153, 151)`

Have a look what the booklet for
RYB(61, 153, 151) contains.

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Color

R_YB(61, 153, 151)

Conversions

Conversions Part 1

Format	Color
Hex	3F993D
RGB	63, 153, 61
RGB Percent	25%, 60%, 24%
CMY	0.7529, 0.4000, 0.7608
CMYK	0.59, 0.00, 0.60, 0.40
HSL	119°, 43%, 42%
HSV	119°, 60%, 60%
XYZ	14.2834, 24.1761, 8.3285
YIQ	115.6020, -24.1080, -47.6920

Conversions

Conversions Part 2

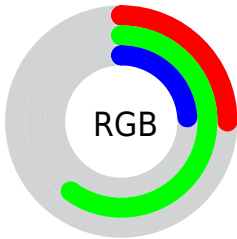
Format	Color
RYB	61, 153, 151
Decimal	4167997
CIELab	56.26, -45.65, 39.69
CIELCh	56, 60.497, 138.994
Yxy	24.1761, 0.3053, 0.5167
Android (android.graphics.Color)	4282358077 (0xFF3F993D)
YUV	115.6020, -26.9188, -46.1320
Hunter-Lab	49.1692, -34.1928, 24.3756

Details

The RYB color **61, 153, 151** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **151, 61, 153**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **112, 208, 201**, and **0, 94, 101** is the 20% darker color. If you saturate the color by 10%, you get **46, 153, 151**, and if you desaturate by 10%, it is **76, 153, 151**.

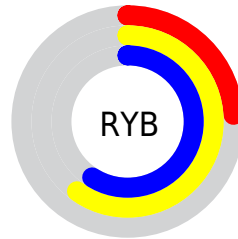
Distribution



Red (25%)

Green (60%)

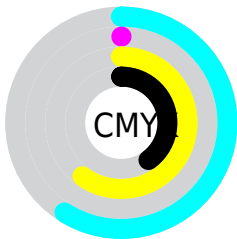
Blue (24%)



Red (24%)

Yellow (60%)

Blue (59%)

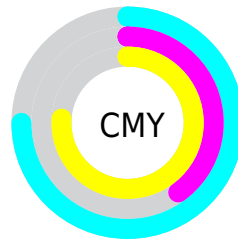


Cyan (59%)

Magenta (0%)

Yellow (60%)

Black (40%)



Cyan (75%)

Magenta (40%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 61, 153, 151 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 61, 153, 151 by changing the saturation by 10% instead.



61, 153, 151



61, 153, 151

255, 255, 255



31, 122, 127



112, 208, 201



0, 94, 101



138, 237, 228



0, 76, 76



165, 255, 244



0, 52, 52



192, 255, 242



0, 30, 30



221, 255, 242



0, 0, 0



249, 255, 249



61, 153, 151



61, 153, 151



46, 153, 151



76, 153, 151

■ 30, 153, 150

■ 92, 153, 152

■ 15, 153, 150

■ 107, 153, 152

■ 0, 153, 150

■ 122, 153, 152

■ 138, 153, 153

■ 153, 153, 153

■ 168, 153, 168

■ 183, 153, 183

■ 198, 153, 199

Harmonies

Analogous

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



16, 142, 29



61, 153, 151



0, 92, 158

Triad

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



61, 153, 151



0, 91, 238



229, 85, 104

Complementary

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



61, 153, 151



151, 61, 153

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.



220, 86, 157



61, 153, 151



95, 122, 235

Square

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



61, 153, 151



0, 90, 214



179, 106, 205



213, 125, 56

Rectangle

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



61, 153, 151



0, 83, 160



179, 106, 205



229, 82, 121

Sweetspot

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



61, 153, 151



163, 199, 198



64, 153, 61



78, 99, 99



227, 227, 227



99, 99, 99

Same Dimension

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



61, 153, 151



56, 199, 196



61, 124, 153



69, 77, 77



0, 140, 137



0, 13, 13

Inverse Universe

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



151, 61, 153



196, 56, 199



153, 61, 110



76, 69, 77



137, 0, 140



12, 0, 13

Previews

White Background



This preview shows how the RYB color 61, 153, 151 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 61, 153, 151 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 61, 153, 151 Background



This preview shows how black text looks on a background with the RYB color 61, 153, 151.



This preview shows how white text looks on a background with the RYB color 61, 153, 151.

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
61, 153, 151

Protanopia
73, 149, 55

Deuteranopia
128, 165, 68



Tritanopia
85, 117, 155

Trichromacy



Original Color

61, 153, 151



Protanomaly

57, 141, 80



Deuteranomaly

65, 137, 74



Tritanomaly

77, 120, 147

Monochromacy



Original Color

61, 153, 151



Achromatopsia

116, 116, 116



Achromatomaly

96, 129, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 61, 153, 151 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, 153, 61)` looks like.

```
.text, #text, p{  
    color:rgb(63, 153, 61)  
}
```

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, 153, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 153, 61) }
```

Border

The CSS property to change the border of an element to RYB 61, 153, 151 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, 153, 61) }
```

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

```
.border{ border-color:rgb(63, 153, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 153, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 153, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 153, 61);  
box-shadow:4px 4px 4px 4px rgb(63, 153,  
61) }
```

Background

The CSS property to change the background color of an element to RYB 61, 153, 151 is called "background".

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

```
.background, #background, body{  
background: rgb(63, 153, 61) }
```

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

```
.background{ background-color: rgb(63, 153,  
61) }
```

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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