

Converting Colors

`RYB(53, 152, 103)`

Have a look what the booklet for
RYB(53, 152, 103) contains.

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Color

R_YB(53, 152, 103)

Conversions

Conversions Part 1

Format	Color
Hex	669835
RGB	102, 152, 53
RGB Percent	40%, 60%, 21%
CMY	0.6000, 0.4039, 0.7922
CMYK	0.33, 0.00, 0.65, 0.40
HSL	90°, 48%, 40%
HSV	90°, 65%, 60%
XYZ	17.3503, 25.5383, 7.3831
YIQ	125.7640, 1.9790, -41.3890

Conversions

Conversions Part 2

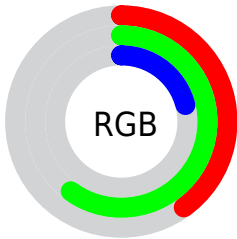
Format	Color
RYB	53, 152, 103
Decimal	6723637
CIELab	57.60, -33.59, 45.33
CIElCh	58, 56.422, 126.536
Yxy	25.5383, 0.3451, 0.5080
Android (android.graphics.Color)	4284913717 (0xFF669835)
YUV	125.7640, -35.8727, -20.8410
Hunter-Lab	50.5354, -27.1526, 26.7127

Details

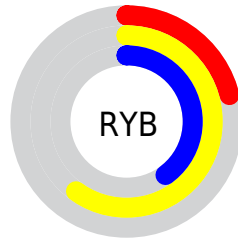
The RYB color **53, 152, 103** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **103, 53, 152**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **104, 207, 155**, and **0, 101, 52** is the 20% darker color. If you saturate the color by 10%, you get **38, 152, 96**, and if you desaturate by 10%, it is **68, 152, 110**.

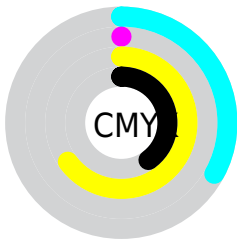
Distribution



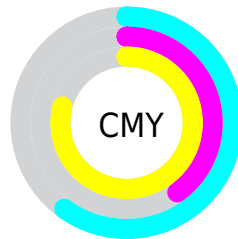
- Red (40%)
- Green (60%)
- Blue (21%)



- Red (21%)
- Yellow (60%)
- Blue (40%)



- Cyan (33%)
- Magenta (0%)
- Yellow (65%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the RYB color 53, 152, 103 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 53, 152, 103 by changing the saturation by 10% instead.

 53, 152, 103

 53, 152, 103

255, 255, 255

 26, 126, 76

 104, 207, 155

 0, 101, 52

 131, 235, 182

 0, 76, 54

 157, 255, 199

 0, 53, 53


 185, 255, 198


 0, 34, 34

 213, 255, 213


 0, 0, 0

 242, 255, 242

 53, 152, 103

 53, 152, 103

 38, 152, 96

 68, 152, 110

■ 23, 152, 88

■ 83, 152, 118

■ 7, 152, 80

■ 99, 152, 126

■ 0, 152, 77

■ 114, 152, 133

■ 129, 152, 141

■ 144, 152, 148

■ 156, 152, 159

■ 163, 152, 175

■ 171, 152, 190

Harmonies

Analogous

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



45, 154, 28



53, 152, 103



0, 99, 159

Triad

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



53, 152, 103



0, 92, 228



227, 91, 130

Complementary

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



53, 152, 103



103, 53, 152

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.



206, 100, 179



53, 152, 103



46, 109, 237

Square

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



53, 152, 103



0, 88, 196



154, 121, 218



221, 105, 82

Rectangle

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



53, 152, 103



0, 89, 161



154, 121, 218



223, 92, 146

Sweetspot

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



53, 152, 103



157, 196, 176



152, 150, 53



76, 99, 88



227, 227, 227



99, 99, 99

Same Dimension

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



53, 152, 103



43, 196, 120



53, 152, 152



69, 77, 73



0, 140, 71



0, 13, 7

Inverse Universe

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



103, 53, 152



121, 43, 196



152, 53, 152



73, 69, 77



71, 0, 140



6, 0, 13

Previews

White Background



This preview shows how the RYB color 53, 152, 103 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 53, 152, 103 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 53, 152, 103 Background



This preview shows how black text looks on a background with the RYB color 53, 152, 103.



This preview shows how white text looks on a background with the RYB color 53, 152, 103.

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
53, 152, 103

Protanopia
68, 154, 49

Deuteranopia
123, 171, 60



Tritanopia
116, 131, 154

Trichromacy



Original Color

53, 152, 103

Protanomaly

50, 143, 58

Deuteranomaly

65, 146, 57

Tritanomaly

111, 141, 146

Monochromacy



Original Color

53, 152, 103

Achromatopsia

126, 126, 126

Achromatomaly

99, 135, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 152, 103 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(102, 152, 53)` looks like.

```
.text, #text, p{  
    color:rgb(102, 152, 53)  
}
```

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(102, 152, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 152, 53) }
```

Border

The CSS property to change the border of an element to RYB 53, 152, 103 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(102, 152, 53) }
```

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

```
.border{ border-color:rgb(102, 152, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 152, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 152, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 152, 53);  
box-shadow:4px 4px 4px 4px rgb(102, 152,  
53) }
```

Background

The CSS property to change the background color of an element to RGB 102, 152, 53 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 152, 53) }
```

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

```
.background{ background-color: rgb(102,  
152, 53) }
```

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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