

Converting Colors

`RYB(52, 163, 127)`

Have a look what the booklet for
RYB(52, 163, 127) contains.

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Color

`RYB(52, 163, 127)`

Conversions

Conversions Part 1

Format	Color
Hex	58A334
RGB	88, 163, 52
RGB Percent	35%, 64%, 20%
CMY	0.6549, 0.3608, 0.7961
CMYK	0.46, 0.00, 0.68, 0.36
HSL	101°, 52%, 42%
HSV	101°, 68%, 64%
XYZ	17.7415, 28.5170, 7.8181
YIQ	127.9210, -9.0690, -50.4210

Conversions

Conversions Part 2

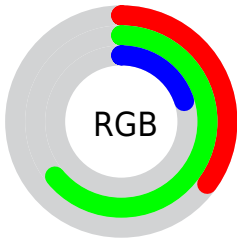
Format	Color
RYB	52, 163, 127
Decimal	5808948
CIELab	60.35, -43.36, 48.52
CIELCh	60, 65.066, 131.786
Yxy	28.5170, 0.3281, 0.5273
Android (android.graphics.Color)	4283999028 (0xFF58A334)
YUV	127.9210, -37.4291, -35.0107
Hunter-Lab	53.4013, -34.1493, 28.7007

Details

The RYB color **52, 163, 127** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **127, 52, 163**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **104, 219, 180**, and **0, 110, 82** is the 20% darker color. If you saturate the color by 10%, you get **36, 163, 122**, and if you desaturate by 10%, it is **68, 163, 132**.

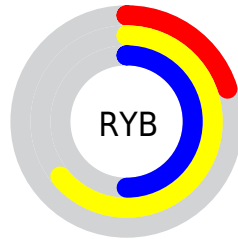
Distribution



Red (35%)

Green (64%)

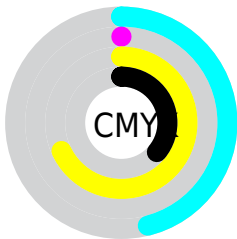
Blue (20%)



Red (20%)

Yellow (64%)

Blue (50%)

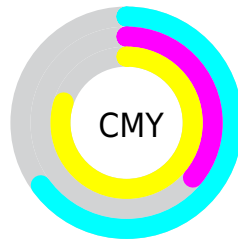


Cyan (46%)

Magenta (0%)

Yellow (68%)

Black (36%)



Cyan (65%)

Magenta (36%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 52, 163, 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 52, 163, 127 by changing the saturation by 10% instead.



52, 163, 127



52, 163, 127

255, 255, 255



24, 136, 100



104, 219, 180



0, 110, 82



131, 247, 206



0, 85, 85



158, 255, 213



0, 61, 61



186, 255, 211



0, 41, 41



214, 255, 214



0, 2, 2



243, 255, 243



0, 0, 0



52, 163, 127



52, 163, 127



36, 163, 122



68, 163, 132

■ 19, 163, 116

■ 85, 163, 138

■ 3, 163, 111

■ 101, 163, 143

■ 0, 163, 110

■ 117, 163, 148

■ 134, 163, 154

■ 150, 163, 159

■ 165, 163, 166

■ 176, 163, 182

■ 187, 163, 199

Harmonies

Analogous

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



4, 153, 1



52, 163, 127



0, 104, 170

Triad

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



52, 163, 127



0, 99, 255



248, 88, 125

Complementary

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



52, 163, 127



127, 52, 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.



231, 95, 183



52, 163, 127



60, 119, 255

Square

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



52, 163, 127



0, 96, 221



177, 120, 232



236, 114, 71

Rectangle

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



52, 163, 127



0, 93, 172



177, 120, 232



246, 87, 145

Sweetspot

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



52, 163, 127



169, 212, 198



108, 163, 52



81, 107, 98



235, 235, 235



107, 107, 107

Same Dimension

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



52, 163, 127



38, 212, 156



52, 148, 163



73, 82, 79



0, 145, 98



0, 18, 12

Inverse Universe

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



127, 52, 163



155, 38, 212



163, 52, 144



79, 73, 82



98, 0, 145



12, 0, 18

Previews

White Background



This preview shows how the RYB color 52, 163, 127 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 52, 163, 127 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](#).

RGB 52, 163, 127 Background



This preview shows how black text looks on a background with the RGB color 52, 163, 127.



This preview shows how white text looks on a background with the RGB color 52, 163, 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

52, 163, 127

Protanopia

67, 162, 47

Deuteranopia

126, 180, 61



Tritanopia
107, 132, 165

Trichromacy



Original Color

52, 163, 127



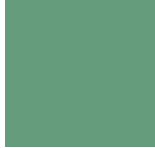
Protanomaly

49, 152, 66



Deuteranomaly

58, 147, 58



Tritanomaly

100, 139, 156

Monochromacy



Original Color

52, 163, 127



Achromatopsia

128, 128, 128



Achromatomaly

100, 141, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 163, 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(88, 163, 52)` looks like.

```
.text, #text, p{  
    color:rgb(88, 163, 52)  
}
```

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(88, 163, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 163, 52) }
```

Border

The CSS property to change the border of an element to RYB 52, 163, 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(88, 163, 52) }
```

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

```
.border{ border-color:rgb(88, 163, 52) }
```

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

Here you see how a box with a 4 pixel rgb(88, 163, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 163, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 163, 52);  
box-shadow:4px 4px 4px 4px rgb(88, 163,  
52) }
```

Background

The CSS property to change the background color of an element to RGB 52, 163, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 163, 52) }
```

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

```
.background{ background-color: rgb(88, 163,  
52) }
```

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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