

Converting Colors

`RYB(49, 163, 144)`

Have a look what the booklet for
RYB(49, 163, 144) contains.

RYB(49, 163, 144)	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

R_YB(49, 163, 144)

Conversions

Conversions Part 1

Format	Color
Hex	44A331
RGB	68, 163, 49
RGB Percent	27%, 64%, 19%
CMY	0.7333, 0.3608, 0.8078
CMYK	0.58, 0.00, 0.70, 0.36
HSL	110°, 54%, 42%
HSV	110°, 70%, 64%
XYZ	16.0355, 27.6451, 7.3966
YIQ	121.5990, -20.0260, -55.5940

Conversions

Conversions Part 2

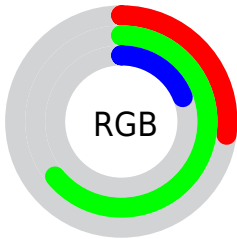
Format	Color
R_{YB}	49, 163, 144
Decimal	4498225
CIE _{Lab}	59.57, -49.44, 48.68
CIE _{LCh}	60, 69.383, 135.441
Yxy	27.6451, 0.3139, 0.5412
Android (android.graphics.Color)	4282688305 (0xFF44A331)
YUV	121.5990, -35.7913, -47.0063
Hunter-Lab	52.5786, -37.5734, 28.4643

Details

The RYB color **49, 163, 144** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **144, 49, 163**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **101, 219, 194**, and **0, 110, 110** is the 20% darker color. If you saturate the color by 10%, you get **33, 163, 142**, and if you desaturate by 10%, it is **65, 163, 146**.

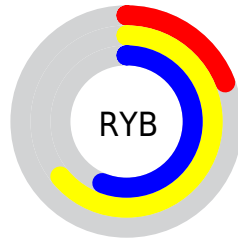
Distribution



Red (27%)

Green (64%)

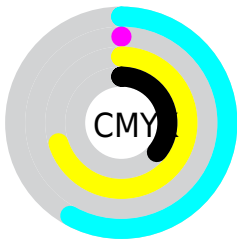
Blue (19%)



Red (19%)

Yellow (64%)

Blue (56%)

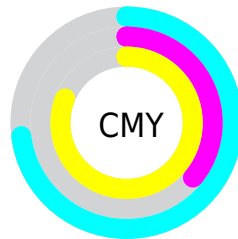


Cyan (58%)

Magenta (0%)

Yellow (70%)

Black (36%)



Cyan (73%)

Magenta (36%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 163, 144 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 49, 163, 144 by changing the saturation by 10% instead.



49, 163, 144



49, 163, 144

255, 255, 255



20, 136, 121



101, 219, 194



0, 110, 110



128, 248, 222



0, 85, 85



155, 255, 227



0, 60, 60



183, 255, 226



0, 39, 39



211, 255, 224



0, 0, 0



240, 255, 240



49, 163, 144



49, 163, 144



33, 163, 142



65, 163, 146

■ 16, 163, 138

■ 82, 163, 150

■ 0, 163, 136

■ 98, 163, 152

■ 114, 163, 155

■ 131, 163, 158

■ 147, 163, 160

■ 163, 163, 163

■ 177, 163, 179

■ 190, 163, 196

Harmonies

Analogous

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



0, 150, 8



49, 163, 144



0, 102, 169

Triad

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



49, 163, 144



0, 98, 255



252, 80, 115

Complementary

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



49, 163, 144



144, 49, 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.



237, 85, 176



49, 163, 144



69, 120, 255

Square

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



49, 163, 144



0, 97, 230



185, 112, 230



235, 118, 58

Rectangle

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



49, 163, 144



0, 90, 171



185, 112, 230



251, 78, 135

Sweetspot

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



49, 163, 144



167, 212, 204



72, 163, 49



80, 107, 102



235, 235, 235



107, 107, 107

Same Dimension

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



49, 163, 144



34, 212, 183



49, 135, 163



73, 82, 80



0, 145, 121



0, 18, 15

Inverse Universe

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



144, 49, 163



182, 34, 212



163, 49, 125



80, 73, 82



121, 0, 145



15, 0, 18

Previews

White Background



This preview shows how the RYB color 49, 163, 144 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 49, 163, 144 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](#).

R Y B 49, 163, 144 Background



This preview shows how black text looks on a background with the R Y B color 49, 163, 144.



This preview shows how white text looks on a background with the R Y B color 49, 163, 144.

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
49, 163, 144

Protanopia
64, 160, 44

Deuteranopia
124, 177, 59



Tritanopia

92, 125, 164

Trichromacy



Original Color

49, 163, 144



Protanomaly

46, 150, 69



Deuteranomaly

55, 145, 63



Tritanomaly

83, 131, 156

Monochromacy



Original Color

49, 163, 144



Achromatopsia

122, 122, 122



Achromatomaly

95, 137, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 163, 144 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(68, 163, 49)` looks like.

```
.text, #text, p{  
    color:rgb(68, 163, 49)  
}
```

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(68, 163, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 163, 49) }
```

Border

The CSS property to change the border of an element to RYB 49, 163, 144 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(68, 163, 49) }
```

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

```
.border{ border-color:rgb(68, 163, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 163, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 163, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 163, 49);  
box-shadow:4px 4px 4px 4px rgb(68, 163,  
49) }
```

Background

The CSS property to change the background color of an element to RYB 49, 163, 144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 163, 49) }
```

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

```
.background{ background-color: rgb(68, 163,  
49) }
```

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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