

Converting Colors

`RYB(27, 164, 115)`

Have a look what the booklet for
RYB(27, 164, 115) contains.

RYB(27, 164, 115)	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(27, 164, 115)`

Conversions

Conversions Part 1

Format	Color
Hex	4CA41B
RGB	76, 164, 27
RGB Percent	30%, 64%, 11%
CMY	0.7020, 0.3569, 0.8941
CMYK	0.54, 0.00, 0.84, 0.36
HSL	99°, 72%, 37%
HSV	99°, 84%, 64%
XYZ	16.4538, 28.1666, 5.6064
YIQ	122.0700, -8.4710, -61.2630

Conversions

Conversions Part 2

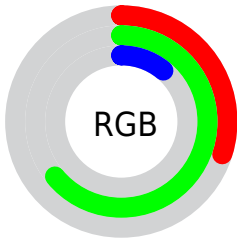
Format	Color
R_{YB}	27, 164, 115
Decimal	5022747
CIE _{Lab}	60.04, -49.09, 56.70
CIE _{LCh}	60, 74.996, 130.888
Yxy	28.1666, 0.3276, 0.5608
Android (android.graphics.Color)	4283212827 (0xFF4CA41B)
YUV	122.0700, -46.8695, -40.4034
Hunter-Lab	53.0722, -37.5366, 30.8873

Details

The RYB color **27, 164, 115** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **115, 27, 164**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **85, 220, 171**, and **0, 111, 111** is the 20% darker color. If you saturate the color by 10%, you get **11, 164, 110**, and if you desaturate by 10%, it is **43, 164, 120**.

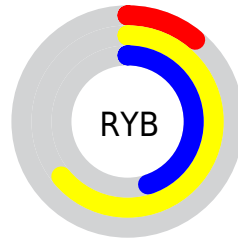
Distribution



Red (30%)

Green (64%)

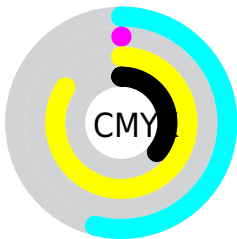
Blue (11%)



Red (11%)

Yellow (64%)

Blue (45%)

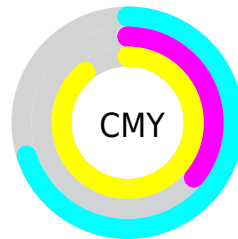


Cyan (54%)

Magenta (0%)

Yellow (84%)

Black (36%)



Cyan (70%)
















Magenta (36%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the RYB color 27, 164, 115 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 27, 164, 115 by changing the saturation by 10% instead.

 27, 164, 115	 27, 164, 115
255, 255, 255	 0, 137, 92
 85, 220, 171	 0, 111, 111
 112, 249, 199	 0, 86, 86
 139, 255, 203	 0, 61, 61
 167, 255, 201	 0, 40, 40
 195, 255, 199	 0, 0, 0
 224, 255, 224	
 253, 255, 253	

 27, 164, 115	 27, 164, 115
--	--

■ 11, 164, 110

■ 43, 164, 120

■ 0, 164, 105

■ 60, 164, 127

■ 76, 164, 132

■ 93, 164, 139

■ 109, 164, 144

■ 125, 164, 150

■ 142, 164, 156

■ 158, 164, 162

■ 171, 164, 175

Harmonies

Analogous

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



3, 152, 0



27, 164, 115



0, 109, 172

Triad

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



27, 164, 115



0, 100, 255



255, 70, 124

Complementary

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



27, 164, 115



115, 27, 164

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.



240, 81, 190



27, 164, 115



0, 92, 255

Square

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



27, 164, 115



0, 98, 230



176, 115, 246



247, 101, 61

Rectangle

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



27, 164, 115



0, 95, 174



176, 115, 246



255, 69, 146

Sweetspot

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



27, 164, 115



161, 214, 195



106, 164, 27



75, 107, 96



235, 235, 235



107, 107, 107

Same Dimension

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



27, 164, 115



0, 214, 137



27, 148, 164



73, 82, 79



0, 145, 93



0, 18, 12

Inverse Universe

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



115, 27, 164



138, 0, 214



164, 27, 146



79, 73, 82



93, 0, 145



11, 0, 18

Previews

White Background



This preview shows how the RYB color 27, 164, 115 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 27, 164, 115 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 27, 164, 115 Background



This preview shows how black text looks on a background with the RYB color 27, 164, 115.



This preview shows how white text looks on a background with the RYB color 27, 164, 115.

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
27, 164, 115

Protanopia
42, 162, 21

Deuteranopia
107, 180, 42



Tritanopia
99, 129, 165

Trichromacy



Original Color
27, 164, 115

Protanomaly
23, 151, 43

Deuteranomaly
37, 146, 41

Tritanomaly
91, 139, 157

Monochromacy



Original Color
27, 164, 115

Achromatopsia
122, 122, 122

Achromatomaly
87, 137, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 164, 115 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(76, 164, 27)` looks like.

```
.text, #text, p{  
    color:rgb(76, 164, 27)  
}
```

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(76, 164, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 164, 27) }
```

Border

The CSS property to change the border of an element to RYB 27, 164, 115 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(76, 164, 27) }
```

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

```
.border{ border-color:rgb(76, 164, 27) }
```

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

Here you see how a box with a 4 pixel rgb(76, 164, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 164, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 164, 27);  
box-shadow:4px 4px 4px 4px rgb(76, 164,  
27) }
```

Background

The CSS property to change the background color of an element to RGB 76, 164, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 164, 115) }
```

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

```
.background{ background-color: rgb(76, 164,  
115) }
```

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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