

Converting Colors

`RYB(129, 170, 81)`

Have a look what the booklet for
RYB(129, 170, 81) contains.

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Color

R_YB(129, 170, 81)

Conversions

Conversions Part 1

Format	Color
Hex	AA8B51
RGB	170, 139, 81
RGB Percent	67%, 55%, 32%
CMY	0.3333, 0.4556, 0.6824
CMYK	0.00, 0.18, 0.52, 0.33
HSL	39°, 35%, 49%
HSV	39°, 52%, 67%
XYZ	27.2690, 27.5526, 11.6655
YIQ	141.6570, 37.0940, -11.4660

Conversions

Conversions Part 2

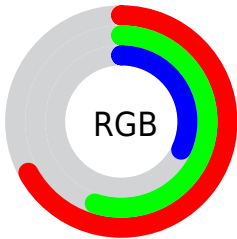
Format	Color
RYB	129, 170, 81
Decimal	11176785
CIELab	59.48, 4.42, 35.15
CIELCh	59, 35.428, 82.838
Yxy	27.5526, 0.4101, 0.4144
Android (android.graphics.Color)	4289366865 (0xFFAA8B51)
YUV	141.6570, -29.9039, 24.8568
Hunter-Lab	52.4905, 0.8728, 23.5667

Details

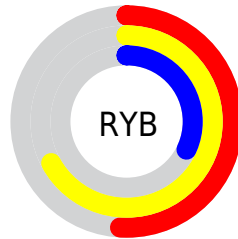
The RYB color **129, 170, 81** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **81, 104, 170**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **187, 227, 132**, and **72, 115, 34** is the 20% darker color. If you saturate the color by 10%, you get **121, 170, 64**, and if you desaturate by 10%, it is **136, 170, 98**.

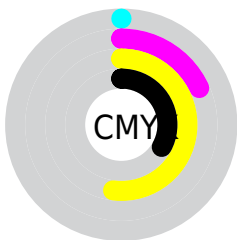
Distribution



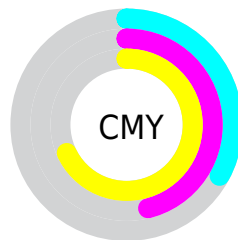
- Red (67%)
- Green (55%)
- Blue (32%)



- Red (51%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 170, 81 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 129, 170, 81 by changing the saturation by 10% instead.

 129, 170, 81  129, 170, 81

255, 255, 255  101, 142, 57

 187, 227, 132  72, 115, 34


 213, 255, 158  41, 89, 9

 193, 255, 185  29, 64, 0

 213, 255, 213  24, 39, 0

 242, 255, 242  6, 0, 0

 0, 0, 0

 129, 170, 81  129, 170, 81

 121, 170, 64  136, 170, 98

■ 113, 170, 47

■ 144, 170, 115

■ 105, 170, 30

■ 152, 170, 132

■ 98, 170, 13

■ 160, 170, 149

■ 93, 170, 0

■ 167, 170, 166

■ 170, 174, 183

■ 170, 178, 200

■ 170, 182, 217

■ 170, 186, 234

Harmonies

Analogous

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



193, 145, 95



129, 170, 81



85, 149, 95

Triad

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



129, 170, 81



0, 81, 166



175, 127, 181

Complementary

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



129, 170, 81



81, 104, 170

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.



136, 138, 201



129, 170, 81



0, 86, 192

Square

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



129, 170, 81



59, 116, 159



82, 125, 205



198, 119, 152

Rectangle

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



129, 170, 81



96, 154, 134



82, 125, 205



164, 130, 189

Sweetspot

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



129, 170, 81



206, 222, 186



170, 81, 114



102, 112, 91



240, 240, 240



112, 112, 112

Same Dimension

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



129, 170, 81



157, 222, 82



81, 170, 93



81, 84, 76



80, 148, 0



11, 20, 0

Inverse Universe

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



81, 104, 170



82, 118, 222



93, 81, 170



76, 78, 84



0, 38, 148



0, 5, 20

Previews

White Background



This preview shows how the RYB color 129, 170, 81 looks on a white background.

Color Contrast Check

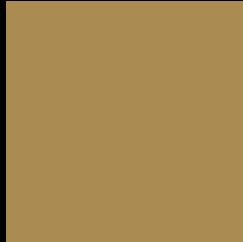
Large Text (above 18pt) WCAG AA ✓ Pass

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 129, 170, 81 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 129, 170, 81 Background



This preview shows how black text looks on a background with the RYB color 129, 170, 81.



This preview shows how white text looks on a background with the RYB color 129, 170, 81.

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

129, 170, 81

Protanopia

100, 157, 83

Deuteranopia

145, 175, 81



Tritanopia

175, 132, 142

Trichromacy



Original Color
129, 170, 81

Protanomaly
110, 162, 82

Deuteranomaly
137, 173, 81

Tritanomaly
173, 139, 120

Monochromacy



Original Color
129, 170, 81

Achromatopsia
142, 142, 142

Achromatomaly
137, 152, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 170, 81 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(170, 139, 81)` looks like.

```
.text, #text, p{  
    color:rgb(170, 139, 81)  
}
```

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(170, 139, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 139, 81) }
```

Border

The CSS property to change the border of an element to RYB 129, 170, 81 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(170, 139, 81) }
```

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

```
.border{ border-color:rgb(170, 139, 81) }
```

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

Here you see how a box with a 4 pixel rgb(170, 139, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 139, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 139, 81);  
box-shadow:4px 4px 4px 4px rgb(170, 139,  
81) }
```

Background

The CSS property to change the background color of an element to RYB 129, 170, 81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 139, 81) }
```

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

```
.background{ background-color: rgb(170,  
139, 81) }
```

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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