

Converting Colors

`RYB(34, 170, 131)`

Have a look what the booklet for
RYB(34, 170, 131) contains.

RYB(34, 170, 131)	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(34, 170, 131)`

Conversions

Conversions Part 1

Format	Color
Hex	49AA22
RGB	73, 170, 34
RGB Percent	29%, 67%, 13%
CMY	0.7137, 0.3333, 0.8667
CMYK	0.57, 0.00, 0.80, 0.33
HSL	103°, 67%, 40%
HSV	103°, 80%, 67%
XYZ	17.4111, 30.2814, 6.4406
YIQ	125.4930, -14.1560, -62.8600

Conversions

Conversions Part 2

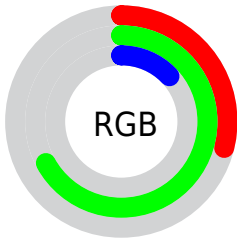
Format	Color
RYB	34, 170, 131
Decimal	4827682
CIELab	61.90, -51.79, 56.38
CIElCh	62, 76.557, 132.574
Yxy	30.2814, 0.3216, 0.5594
Android (android.graphics.Color)	4283017762 (0xFF49AA22)
YUV	125.4930, -45.1060, -46.0364
Hunter-Lab	55.0285, -39.8223, 31.5806

Details

The RYB color **34, 170, 131** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **131, 34, 170**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **90, 226, 184**, and **0, 117, 117** is the 20% darker color. If you saturate the color by 10%, you get **17, 170, 126**, and if you desaturate by 10%, it is **51, 170, 136**.

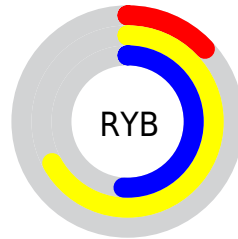
Distribution



Red (29%)

Green (67%)

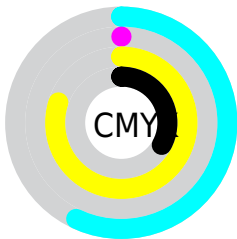
Blue (13%)



Red (13%)

Yellow (67%)

Blue (51%)

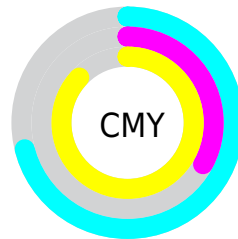


Cyan (57%)

Magenta (0%)

Yellow (80%)

Black (33%)



Cyan (71%)

Magenta (33%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 34, 170, 131 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 34, 170, 131 by changing the saturation by 10% instead.



34, 170, 131



34, 170, 131

255, 255, 255



0, 143, 103



90, 226, 184



0, 117, 117



117, 255, 211



0, 91, 91



145, 255, 210



0, 66, 66



173, 255, 209



0, 45, 45



201, 255, 207



0, 13, 13



230, 255, 230



0, 0, 0



34, 170, 131



34, 170, 131



17, 170, 126



51, 170, 136

■ 0, 170, 121

■ 68, 170, 141

■ 85, 170, 146

■ 102, 170, 151

■ 119, 170, 155

■ 136, 170, 160

■ 153, 170, 165

■ 170, 170, 170

■ 182, 170, 187

Harmonies

Analogous

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



0, 155, 2



34, 170, 131



0, 111, 177

Triad

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



34, 170, 131



0, 101, 255



255, 74, 124

Complementary

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



34, 170, 131



131, 34, 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.



250, 83, 192



34, 170, 131



0, 94, 255

Square

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



34, 170, 131



0, 102, 240



187, 117, 250



253, 110, 60

Rectangle

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



34, 170, 131



0, 97, 180



187, 117, 250



255, 72, 147

Sweetspot

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



34, 170, 131



169, 222, 207



93, 170, 34



80, 112, 103



240, 240, 240



112, 112, 112

Same Dimension

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



34, 170, 131



9, 222, 161



34, 147, 170



76, 84, 82



0, 148, 106



0, 20, 14

Inverse Universe

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



131, 34, 170



161, 9, 222



170, 34, 143



82, 76, 84



105, 0, 148



15, 0, 20

Previews

White Background



This preview shows how the RYB color 34, 170, 131 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34, 170, 131 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 34, 170, 131 Background



This preview shows how black text looks on a background with the RYB color 34, 170, 131.

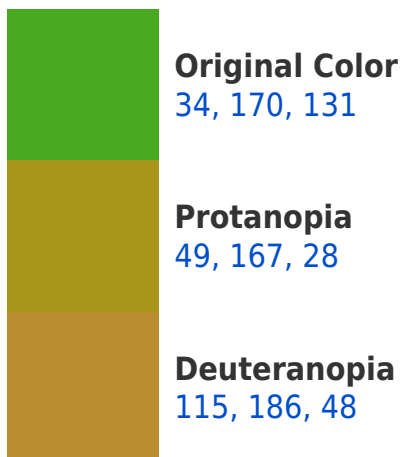



This preview shows how white text looks on a background with the RYB color 34, 170, 131.

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





Tritanopia
98, 131, 171

Trichromacy



Original Color

34, 170, 131



Protanomaly

30, 157, 54



Deuteranomaly

43, 152, 50



Tritanomaly

89, 140, 162

Monochromacy



Original Color

34, 170, 131



Achromatopsia

125, 125, 125



Achromatomaly

92, 141, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 170, 131 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(73, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(73, 170, 34)  
}
```

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(73, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 170, 34) }
```

Border

The CSS property to change the border of an element to RYB 34, 170, 131 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(73, 170, 34) }
```

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

```
.border{ border-color:rgb(73, 170, 34) }
```

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

Here you see how a box with a 4 pixel rgb(73, 170, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(73, 170,  
34) }
```

Background

The CSS property to change the background color of an element to RYB 34, 170, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 170, 34) }
```

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

```
.background{ background-color: rgb(73, 170,  
34) }
```

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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