

Converting Colors

`RYB(170, 226, 170)`

Have a look what the booklet for
RYB(170, 226, 170) contains.

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Color

$\text{RYB}(170, 226, 170)$

Conversions

Conversions Part 1

Format	Color
Hex	E2E2AA
RGB	226, 226, 170
RGB Percent	89%, 89%, 67%
CMY	0.1137, 0.1137, 0.3333
CMYK	0.00, 0.00, 0.25, 0.11
HSL	60°, 49%, 78%
HSV	60°, 25%, 89%
XYZ	65.8161, 73.4637, 48.7413
YIQ	219.6160, 17.9760, -17.4160

Conversions

Conversions Part 2

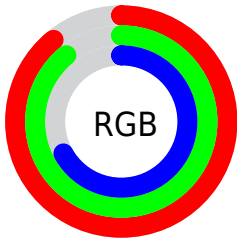
Format	Color
RYB	170, 226, 170
Decimal	14869162
CIELab	88.67, -8.81, 27.47
CIELCh	89, 28.845, 107.773
Yxy	73.4637, 0.3500, 0.3907
Android (android.graphics.Color)	4293059242 (0xFFE2E2AA)
YUV	219.6160, -24.4607, 5.5988
Hunter-Lab	85.7110, -12.9270, 26.2813

Details

The RYB color **170, 226, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 170, 226**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **226, 255, 226**, and **117, 171, 118** is the 20% darker color. If you saturate the color by 10%, you get **147, 226, 147**, and if you desaturate by 10%, it is **193, 226, 193**.

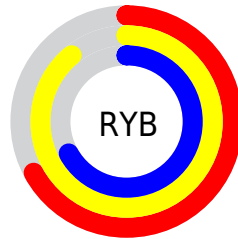
Distribution



Red (89%)

Green (89%)

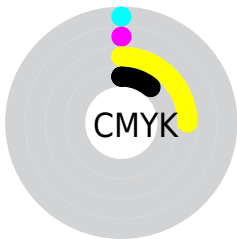
Blue (67%)



Red (67%)

Yellow (89%)

Blue (67%)

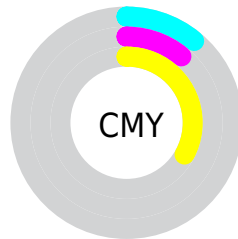


Cyan (0%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 226, 170 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 170, 226, 170 by changing the saturation by 10% instead.


 170, 226, 170


255, 255, 255


 226, 255, 226

254, 255, 254

 170, 226, 170


 143, 198, 143

 117, 171, 118

 92, 144, 93


 68, 119, 70

 45, 94, 47

 23, 70, 26

 0, 48, 3

 0, 28, 6

 0, 0, 0

 170, 226, 170

 170, 226, 170

 147, 226, 147

 193, 226, 193

 125, 226, 125

 215, 226, 215

 102, 226, 102

 226, 226, 238

 80, 226, 80

 226, 226, 255

 57, 226, 57

 34, 226, 34

 12, 226, 12

 0, 226, 0

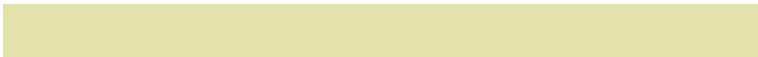
Harmonies

Analogous

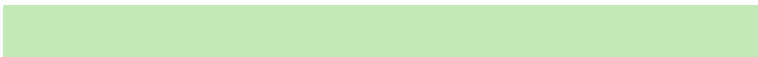
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



235, 254, 169



170, 226, 170



185, 233, 223

Triad

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



170, 226, 170



148, 196, 255



255, 204, 235

Complementary

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



170, 226, 170



170, 170, 226

Split Complementary

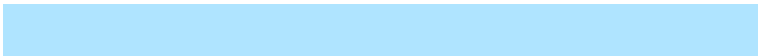
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



247, 210, 255



170, 226, 170



175, 207, 255

Square

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



170, 226, 170



145, 192, 238



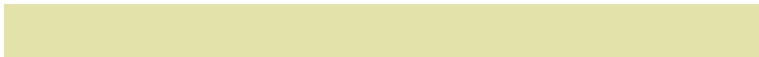
212, 218, 255



255, 203, 207

Rectangle

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



170, 226, 170



174, 217, 236



212, 218, 255



255, 205, 244

Sweetspot

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



170, 226, 170



237, 255, 237



226, 170, 170



117, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



170, 226, 170



179, 255, 179



170, 226, 198



101, 112, 101



0, 176, 0



0, 48, 0

Inverse Universe

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



170, 170, 226



179, 179, 255



198, 170, 226



101, 101, 112



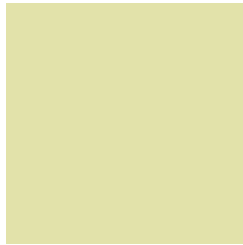
0, 0, 176



0, 0, 48

Previews

White Background



This preview shows how the RYB color 170, 226, 170 looks on a white background.

Color Contrast Check

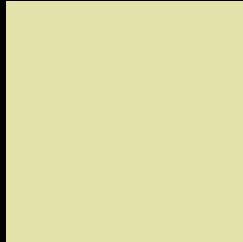
Large Text (above 18pt) WCAG AA × Fail

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 170, 226, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

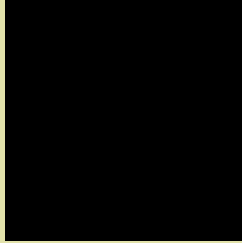
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

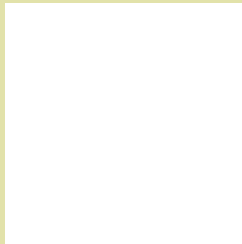
Any Text WCAG AAA ✓ Pass

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

RYB 170, 226, 170 Background



This preview shows how black text looks on a background with the RYB color 170, 226, 170.

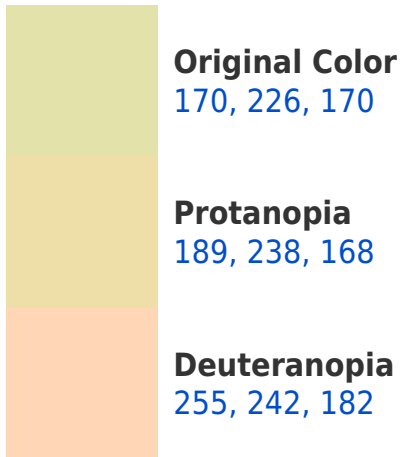


This preview shows how white text looks on a background with the RYB color 170, 226, 170.

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

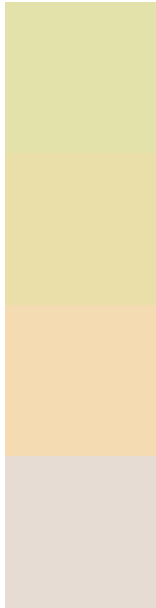




Tritanopia

234, 217, 235

Trichromacy



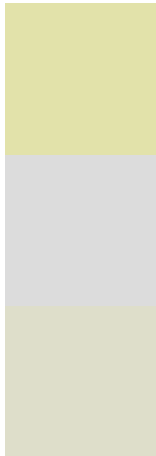
Original Color
170, 226, 170

Protanomaly
182, 234, 169

Deuteranomaly
218, 244, 178

Tritanomaly
231, 227, 211

Monochromacy



Original Color
170, 226, 170

Achromatopsia
220, 220, 220

Achromatomaly
202, 222, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 226, 170 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(226, 226, 170)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 170)  
}
```

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(226, 226, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 226, 170 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(226, 226, 170) }
```

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

```
.border{ border-color:rgb(226, 226, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 170); box-shadow:4px 4px 4px 4px rgb(226, 226, 170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 226, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 170) }
```

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

```
.background{ background-color: rgb(226,  
226, 170) }
```

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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