

Converting Colors

`RYB(205, 238, 170)`

Have a look what the booklet for
RYB(205, 238, 170) contains.

RYB(205, 238, 170)	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(205, 238, 170)

Conversions

Conversions Part 1

Format	Color
Hex	EED7AA
RGB	238, 215, 170
RGB Percent	93%, 84%, 67%
CMY	0.0667, 0.1573, 0.3333
CMYK	0.00, 0.10, 0.29, 0.07
HSL	40°, 67%, 80%
HSV	40°, 29%, 93%
XYZ	66.7888, 69.6259, 47.9492
YIQ	216.7470, 28.1530, -9.1190

Conversions

Conversions Part 2

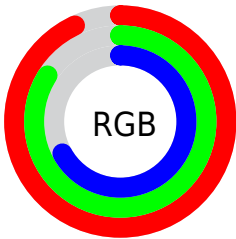
Format	Color
RYB	205, 238, 170
Decimal	15652778
CIELab	86.81, 1.36, 25.10
CIELCh	87, 25.140, 86.897
Yxy	69.6259, 0.3623, 0.3777
Android (android.graphics.Color)	4293842858 (0xFFEED7AA)
YUV	216.7470, -23.0463, 18.6389
Hunter-Lab	83.4422, -3.1486, 24.3391

Details

The RYB color **205, 238, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 187, 238**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **225, 255, 225**, and **150, 181, 118** is the 20% darker color. If you saturate the color by 10%, you get **193, 238, 146**, and if you desaturate by 10%, it is **217, 238, 194**.

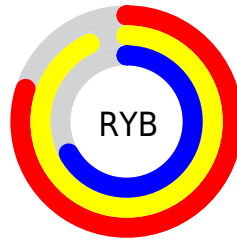
Distribution



Red (93%)

Green (84%)

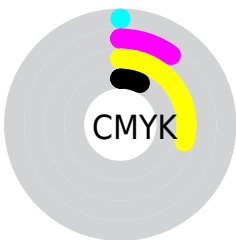
Blue (67%)



Red (80%)

Yellow (93%)

Blue (67%)

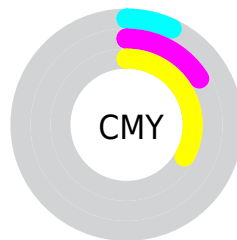


Cyan (0%)

Magenta (10%)

Yellow (29%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 238, 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 205, 238, 170 by changing the saturation by 10% instead.

 205, 238, 170


255, 255, 255


 225, 255, 225

254, 255, 254

 205, 238, 170


 176, 209, 143

 150, 181, 118


 123, 154, 93

 95, 127, 69

 69, 101, 46

 43, 76, 24

 17, 53, 0

 15, 30, 0

 0, 0, 0

■ 205, 238, 170

■ 205, 238, 170

■ 193, 238, 146

■ 217, 238, 194

■ 181, 238, 122

■ 229, 238, 218

■ 170, 238, 99

■ 238, 239, 241

■ 158, 238, 75

■ 238, 244, 255

■ 148, 238, 51

■ 238, 247, 255

■ 136, 238, 27

■ 124, 238, 3

■ 123, 238, 0

Harmonies

Analogous

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



255, 225, 178



205, 238, 170



175, 222, 185

Triad

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



205, 238, 170



151, 193, 238



246, 205, 244

Complementary

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



205, 238, 170



170, 187, 238

Split Complementary

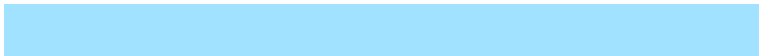
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



218, 212, 255



205, 238, 170



160, 199, 255

Square

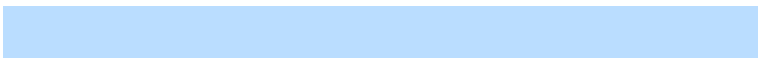
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



205, 238, 170



162, 201, 231



186, 209, 255



255, 201, 221

Rectangle

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



205, 238, 170



184, 227, 217



186, 209, 255



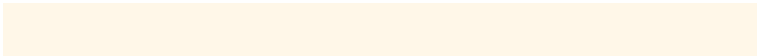
238, 207, 250

Sweetspot

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



205, 238, 170



244, 255, 232



238, 170, 194



121, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



205, 238, 170



212, 255, 168



170, 238, 180



114, 120, 108



96, 184, 0



29, 56, 0

Inverse Universe

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



170, 187, 238



168, 190, 255



180, 170, 238



108, 111, 120



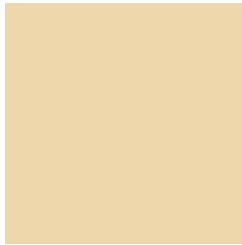
0, 46, 184



0, 14, 56

Previews

White Background



This preview shows how the RYB color 205, 238, 170 looks on a white background.

Color Contrast Check

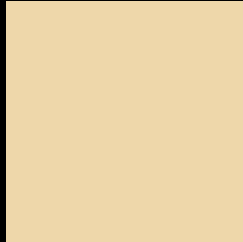
Large Text (above 18pt) WCAG AA × Fail

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 205, 238, 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 205, 238, 170 Background



This preview shows how black text looks on a background with the RYB color 205, 238, 170.



This preview shows how white text looks on a background with the RYB color 205, 238, 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



Original Color
205, 238, 170

Protanopia
189, 231, 171

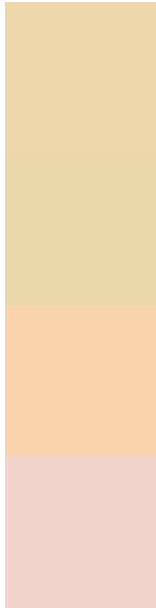
Deuteranopia
254, 241, 171



Tritanopia

244, 208, 224

Trichromacy



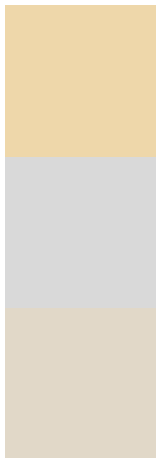
Original Color
205, 238, 170

Protanomaly
196, 234, 171

Deuteranomaly
242, 248, 171

Tritanomaly
242, 213, 204

Monochromacy



Original Color
205, 238, 170

Achromatopsia
217, 217, 217

Achromatomaly
214, 225, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 238, 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(238, 215, 170) looks like.

```
.text, #text, p{  
    color:rgb(238, 215, 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(238, 215, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 215, 170) }
```

Border

The CSS property to change the border of an element to RYB 205, 238, 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(238, 215, 170) }
```

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

```
.border{ border-color:rgb(238, 215, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 215, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 215, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 215, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 215,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 205, 238, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 215, 170) }
```

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

```
.background{ background-color: rgb(238,  
215, 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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