

Converting Colors

`RYB(198, 229, 113)`

Have a look what the booklet for
RYB(198, 229, 113) contains.

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Color

R_YB(198, 229, 113)

Conversions

Conversions Part 1

Format	Color
Hex	E5B471
RGB	229, 180, 113
RGB Percent	90%, 71%, 44%
CMY	0.1020, 0.2943, 0.5569
CMYK	0.00, 0.21, 0.51, 0.10
HSL	35°, 69%, 67%
HSV	35°, 51%, 90%
XYZ	51.6039, 50.4707, 22.6448
YIQ	187.0130, 50.7110, -10.4490

Conversions

Conversions Part 2

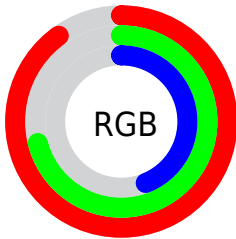
Format	Color
R_{YB}	198, 229, 113
Decimal	15053937
CIE _{Lab}	76.36, 9.81, 40.74
CIE _{LCh}	76, 41.905, 76.467
Yxy	50.4707, 0.4138, 0.4047
Android (android.graphics.Color)	4293244017 (0xFFE5B471)
YUV	187.0130, -36.4884, 36.8226
Hunter-Lab	71.0427, 5.3339, 30.8313

Details

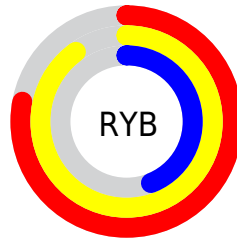
The RYB color **198, 229, 113** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **113, 147, 229**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **190, 255, 166**, and **137, 171, 63** is the 20% darker color. If you saturate the color by 10%, you get **193, 229, 90**, and if you desaturate by 10%, it is **203, 229, 136**.

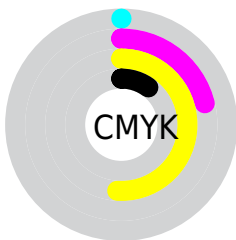
Distribution



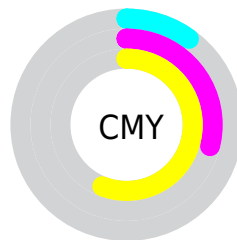
- Red (90%)
- Green (71%)
- Blue (44%)



- Red (78%)
- Yellow (90%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (51%)
- Black (10%)



- Cyan (10%)
- Magenta (29%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 229, 113 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 198, 229, 113 by changing the saturation by 10% instead.

 198, 229, 113

255, 255, 255

 190, 255, 166

 193, 255, 193

 222, 255, 222


 250, 255, 250

 198, 229, 113


 169, 200, 88

 137, 171, 63

 107, 143, 39

 72, 115, 14

 52, 89, 0

 51, 62, 0

 37, 23, 0

 0, 0, 0

 198, 229, 113

 198, 229, 113

193, 229, 90

203, 229, 136

184, 229, 67

212, 229, 159

179, 229, 44

217, 229, 182

174, 229, 21

222, 229, 205

168, 229, 0

229, 229, 227

229, 235, 250

229, 240, 255

229, 242, 255

Harmonies

Analogous

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



255, 179, 134



198, 229, 113



113, 193, 114

Triad

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



198, 229, 113



31, 120, 209



219, 171, 242

Complementary

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



198, 229, 113



113, 147, 229

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.



166, 182, 255



198, 229, 113



6, 114, 243

Square

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



198, 229, 113



98, 165, 208



99, 159, 255



253, 160, 208

Rectangle

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



198, 229, 113



125, 200, 161



99, 159, 255



204, 175, 251

Sweetspot

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



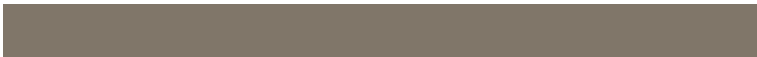
198, 229, 113



245, 255, 217



229, 113, 163



123, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



198, 229, 113



213, 255, 99



113, 229, 121



112, 115, 103



132, 179, 0



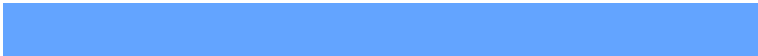
39, 51, 0

Inverse Universe

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



113, 147, 229



99, 145, 255



121, 113, 229



103, 107, 115



0, 53, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 198, 229, 113 looks on a white background.

Color Contrast Check

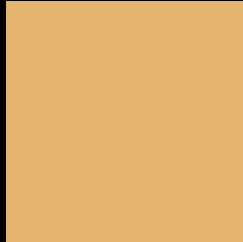
Large Text (above 18pt) WCAG AA × Fail

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 198, 229, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

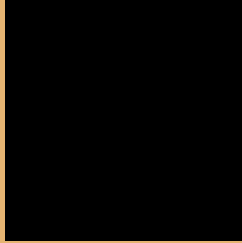
Any Text WCAG AA ✓ Pass

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 198, 229, 113 Background



This preview shows how black text looks on a background with the RYB color 198, 229, 113.



This preview shows how white text looks on a background with the RYB color 198, 229, 113.

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
198, 229, 113

Protanopia
137, 206, 116

Deuteranopia
198, 229, 113



Tritanopia
235, 171, 184

Trichromacy



Original Color
198, 229, 113

Protanomaly
154, 214, 115

Deuteranomaly
198, 229, 113

Tritanomaly
233, 178, 158

Monochromacy



Original Color
198, 229, 113

Achromatopsia
187, 187, 187

Achromatomaly
192, 202, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 229, 113 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(229, 180, 113)` looks like.

```
.text, #text, p{  
    color:rgb(229, 180, 113)  
}
```

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(229, 180, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 180, 113) }
```

Border

The CSS property to change the border of an element to RYB 198, 229, 113 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(229, 180, 113) }
```

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

```
.border{ border-color:rgb(229, 180, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 180, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 180, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 180, 113); box-shadow:4px 4px 4px 4px rgb(229, 180, 113) }
```

Background

The CSS property to change the background color of an element to RYB 198, 229, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 180, 113) }
```

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

```
.background{ background-color: rgb(229,  
180, 113) }
```

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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