

Converting Colors

`RYB(195, 236, 153)`

Have a look what the booklet for
RYB(195, 236, 153) contains.

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Color

R_YB(195, 236, 153)

Conversions

Conversions Part 1

Format	Color
Hex	ECD099
RGB	236, 208, 153
RGB Percent	93%, 82%, 60%
CMY	0.0745, 0.1839, 0.4000
CMYK	0.00, 0.12, 0.35, 0.07
HSL	40°, 69%, 76%
HSV	40°, 35%, 93%
XYZ	62.9250, 65.2992, 39.4245
YIQ	210.1020, 34.3430, -11.1690

Conversions

Conversions Part 2

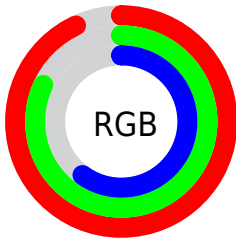
Format	Color
RYB	195, 236, 153
Decimal	15519897
CIELab	84.64, 1.99, 30.96
CIELCh	85, 31.028, 86.314
Yxy	65.2992, 0.3753, 0.3895
Android (android.graphics.Color)	4293709977 (0xFFECD099)
YUV	210.1020, -28.1513, 22.7125
Hunter-Lab	80.8079, -2.4160, 27.6392

Details

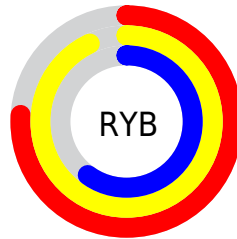
The RYB color **195, 236, 153** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **153, 174, 236**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **208, 255, 208**, and **138, 179, 101** is the 20% darker color. If you saturate the color by 10%, you get **183, 236, 129**, and if you desaturate by 10%, it is **207, 236, 177**.

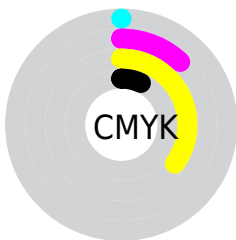
Distribution



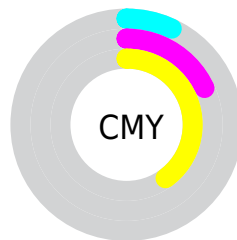
- Red (93%)
- Green (82%)
- Blue (60%)



- Red (76%)
- Yellow (93%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (35%)
- Black (7%)



- Cyan (7%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 195, 236, 153 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 195, 236, 153 by changing the saturation by 10% instead.

 195, 236, 153

255, 255, 255

 208, 255, 208

 236, 255, 236

 195, 236, 153

 166, 207, 127

 138, 179, 101

 110, 151, 77

 85, 125, 53

 56, 98, 30

 30, 73, 7

 20, 49, 0

 20, 25, 0

 0, 0, 0

■ 195, 236, 153

■ 195, 236, 153

■ 183, 236, 129

■ 207, 236, 177

■ 173, 236, 106

■ 218, 236, 200

■ 161, 236, 82

■ 230, 236, 224

■ 150, 236, 59

■ 236, 239, 247

■ 138, 236, 35

■ 236, 243, 255

■ 124, 236, 11

■ 236, 246, 255

■ 119, 236, 0

Harmonies

Analogous

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



255, 218, 164



195, 236, 153



158, 217, 170

Triad

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



195, 236, 153



123, 177, 236



246, 195, 244

Complementary

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



195, 236, 153



153, 174, 236

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.



211, 205, 255



195, 236, 153



134, 185, 255

Square

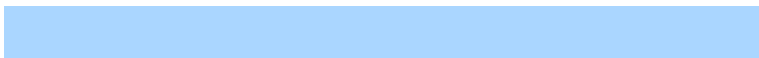
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



195, 236, 153



141, 190, 227



170, 199, 255



255, 190, 216

Rectangle

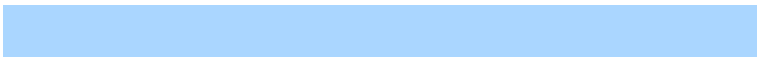
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



195, 236, 153



170, 222, 209



170, 199, 255



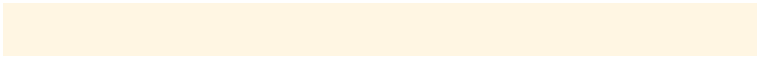
235, 198, 252

Sweetspot

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



195, 236, 153



240, 255, 227



236, 153, 182



120, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



195, 236, 153



202, 255, 148



153, 236, 165



112, 117, 106



92, 181, 0



27, 54, 0

Inverse Universe

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



153, 174, 236



148, 175, 255



165, 153, 236



106, 109, 117



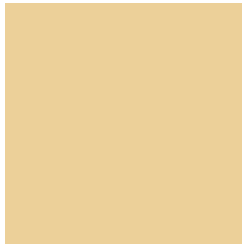
0, 46, 181



0, 14, 54

Previews

White Background



This preview shows how the RYB color 195, 236, 153 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 195, 236, 153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

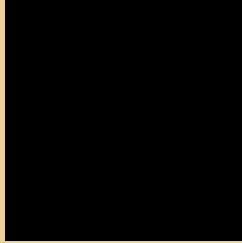
Any Text WCAG AA ✓ Pass

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 195, 236, 153 Background



This preview shows how black text looks on a background with the RYB color 195, 236, 153.



This preview shows how white text looks on a background with the RYB color 195, 236, 153.

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
195, 236, 153

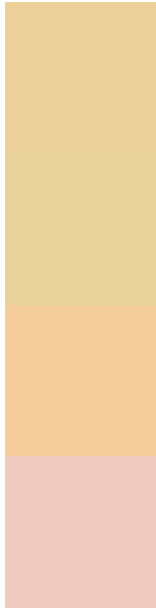
Protanopia
174, 227, 154

Deuteranopia
246, 250, 154



Tritanopia
243, 200, 215

Trichromacy



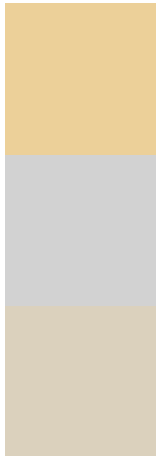
Original Color
195, 236, 153

Protanomaly
181, 230, 154

Deuteranomaly
225, 245, 154

Tritanomaly
240, 206, 192

Monochromacy



Original Color
195, 236, 153

Achromatopsia
210, 210, 210

Achromatomaly
204, 219, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 195, 236, 153 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(236, 208, 153)` looks like.

```
.text, #text, p{  
    color:rgb(236, 208, 153)  
}
```

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(236, 208, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 208, 153) }
```

Border

The CSS property to change the border of an element to RYB 195, 236, 153 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(236, 208, 153) }
```

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

```
.border{ border-color:rgb(236, 208, 153) }
```

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

Here you see how a box with a 4 pixel rgb(236, 208, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 208, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 208, 153);  
box-shadow:4px 4px 4px 4px rgb(236, 208,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 195, 236, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 208, 153) }
```

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

```
.background{ background-color: rgb(236,  
208, 153) }
```

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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