

Converting Colors

`RYB(218, 237, 154)`

Have a look what the booklet for
RYB(218, 237, 154) contains.

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Color

R_YB(218, 237, 154)

Conversions

Conversions Part 1

Format	Color
Hex	EDC99A
RGB	237, 201, 154
RGB Percent	93%, 79%, 60%
CMY	0.0706, 0.2123, 0.3961
CMYK	0.00, 0.15, 0.35, 0.07
HSL	34°, 70%, 77%
HSV	34°, 35%, 93%
XYZ	61.6127, 62.0475, 39.3009
YIQ	206.4060, 36.5430, -6.9850

Conversions

Conversions Part 2

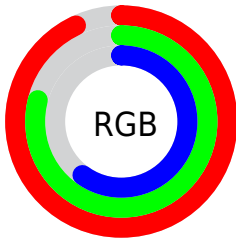
Format	Color
RYB	218, 237, 154
Decimal	15583642
CIELab	82.94, 6.27, 28.18
CIELCh	83, 28.872, 77.463
Yxy	62.0475, 0.3781, 0.3808
Android (android.graphics.Color)	4293773722 (0xFFEDC99A)
YUV	206.4060, -25.8362, 26.8309
Hunter-Lab	78.7702, 1.7717, 25.5576

Details

The RYB color **218, 237, 154** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **154, 179, 237**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **209, 255, 209**, and **159, 180, 102** is the 20% darker color. If you saturate the color by 10%, you get **211, 237, 130**, and if you desaturate by 10%, it is **224, 237, 178**.

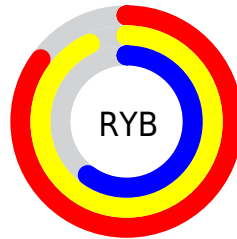
Distribution



Red (93%)

Green (79%)

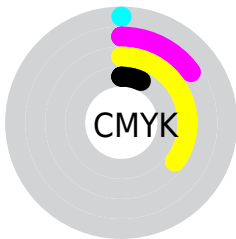
Blue (60%)



Red (85%)

Yellow (93%)

Blue (60%)

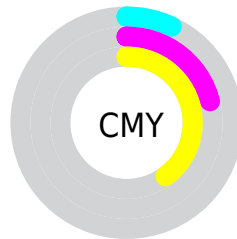


Cyan (0%)

Magenta (15%)

Yellow (35%)

Black (7%)



Cyan (7%)

Magenta (21%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 237, 154 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 218, 237, 154 by changing the saturation by 10% instead.

 218, 237, 154

255, 255, 255


 209, 255, 209


 237, 255, 237

 218, 237, 154


 187, 208, 128

 159, 180, 102

 131, 152, 78

 102, 125, 55

 74, 99, 32

 48, 74, 10

 36, 50, 0

 25, 6, 0

 0, 0, 0

■ 218, 237, 154

■ 218, 237, 154

■ 211, 237, 130

■ 224, 237, 178

■ 209, 237, 107

■ 227, 237, 201

■ 202, 237, 83

■ 234, 237, 225

■ 195, 237, 59

■ 237, 241, 249

■ 193, 237, 36

■ 237, 245, 255

■ 186, 237, 12

■ 237, 246, 255

■ 182, 237, 0

Harmonies

Analogous

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



255, 201, 168



218, 237, 154



154, 210, 154

Triad

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



218, 237, 154



129, 176, 222



230, 194, 243

Complementary

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



218, 237, 154



154, 179, 237

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.



195, 203, 255



218, 237, 154



131, 181, 246

Square

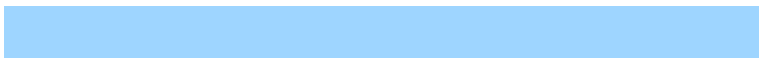
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



218, 237, 154



149, 193, 221



158, 193, 255



253, 188, 219

Rectangle

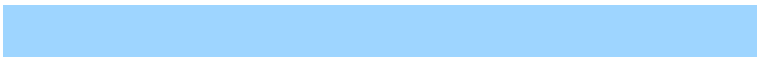
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



218, 237, 154



163, 215, 188



158, 193, 255



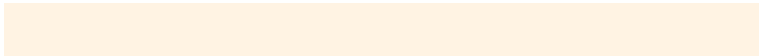
219, 197, 250

Sweetspot

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



218, 237, 154



248, 255, 227



237, 154, 191



126, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



218, 237, 154



232, 255, 148



154, 237, 158



115, 117, 106



140, 181, 0



43, 54, 0

Inverse Universe

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



154, 179, 237



148, 181, 255



158, 154, 237



106, 109, 117



0, 55, 181



0, 16, 54

Previews

White Background



This preview shows how the RYB color 218, 237, 154 looks on a white background.

Color Contrast Check

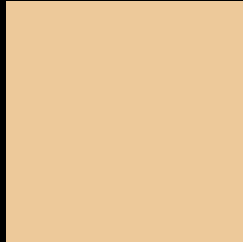
Large Text (above 18pt) WCAG AA × Fail

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 218, 237, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

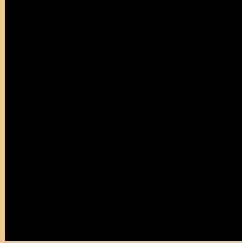
Any Text WCAG AA ✓ Pass

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 218, 237, 154 Background



This preview shows how black text looks on a background with the RYB color 218, 237, 154.



This preview shows how white text looks on a background with the RYB color 218, 237, 154.

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
218, 237, 154

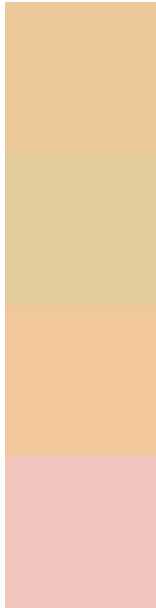
Protanopia
176, 221, 156

Deuteranopia
244, 238, 155



Tritanopia
243, 194, 209

Trichromacy



Original Color

218, 237, 154

Protanomaly

189, 227, 155

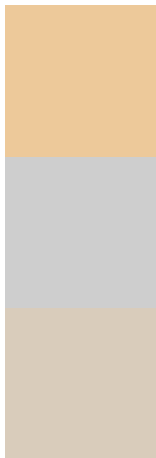
Deuteranomaly

237, 241, 155

Tritanomaly

241, 197, 189

Monochromacy



Original Color

218, 237, 154

Achromatopsia

206, 206, 206

Achromatomaly

210, 217, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 237, 154 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(237, 201, 154)` looks like.

```
.text, #text, p{  
    color:rgb(237, 201, 154)  
}
```

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(237, 201, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 201, 154) }
```

Border

The CSS property to change the border of an element to RYB 218, 237, 154 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(237, 201, 154) }
```

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

```
.border{ border-color:rgb(237, 201, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 201, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 201, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 201, 154);  
box-shadow:4px 4px 4px 4px rgb(237, 201,  
154) }
```

Background

The CSS property to change the background color of an element to RGB 218, 237, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 201, 154) }
```

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

```
.background{ background-color: rgb(237,  
201, 154) }
```

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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