

Converting Colors

`RYB(168, 242, 155)`

Have a look what the booklet for
RYB(168, 242, 155) contains.

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Color

R_YB(168, 242, 155)

Conversions

Conversions Part 1

Format	Color
Hex	F2E79B
RGB	242, 231, 155
RGB Percent	95%, 91%, 61%
CMY	0.0510, 0.0953, 0.3922
CMYK	0.00, 0.05, 0.36, 0.05
HSL	52°, 77%, 78%
HSV	52°, 36%, 95%
XYZ	71.0236, 78.2222, 42.3654
YIQ	225.6250, 30.9520, -21.3040

Conversions

Conversions Part 2

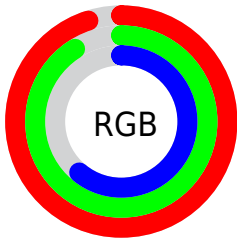
Format	Color
RYB	168, 242, 155
Decimal	15919003
CIELab	90.88, -6.97, 38.27
CIELCh	91, 38.898, 100.324
Yxy	78.2222, 0.3707, 0.4082
Android (android.graphics.Color)	4294109083 (0xFFFF2E79B)
YUV	225.6250, -34.8181, 14.3609
Hunter-Lab	88.4433, -11.4332, 33.5097

Details

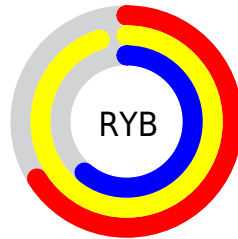
The RYB color **168, 242, 155** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **155, 165, 242**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **210, 255, 210**, and **113, 185, 103** is the 20% darker color. If you saturate the color by 10%, you get **147, 242, 131**, and if you desaturate by 10%, it is **188, 242, 179**.

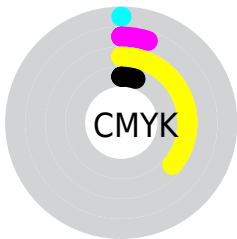
Distribution



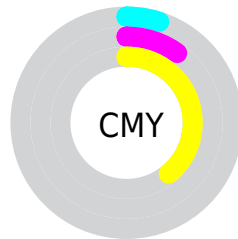
- Red (95%)
- Green (91%)
- Blue (61%)



- Red (66%)
- Yellow (95%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 242, 155 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 168, 242, 155 by changing the saturation by 10% instead.

 168, 242, 155


255, 255, 255

 210, 255, 210


 239, 255, 239

 168, 242, 155

 139, 213, 128

 114, 185, 103

 87, 157, 78

 61, 130, 53

 36, 104, 29

 6, 78, 3

 2, 54, 0

 0, 31, 1

 0, 6, 6

 168, 242, 155

 168, 242, 155

 147, 242, 131

 188, 242, 179

 128, 242, 107

 209, 242, 203

 106, 242, 82

 230, 242, 228

 86, 242, 58

 242, 243, 252

 65, 242, 34

 242, 245, 255

 44, 242, 10

 242, 247, 255

 36, 242, 0

 242, 248, 255

 242, 249, 255

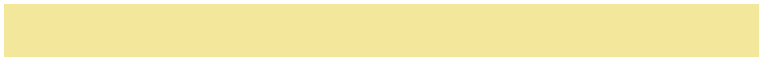
Harmonies

Analogous

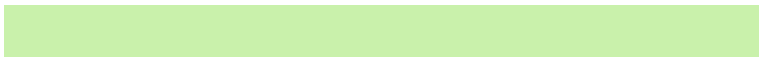
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



219, 255, 159



168, 242, 155



171, 241, 211

Triad

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



168, 242, 155



107, 179, 255



255, 204, 255

Complementary

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



168, 242, 155



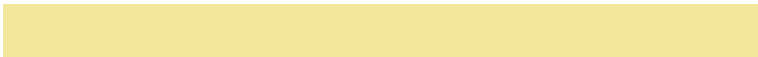
155, 165, 242

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.



250, 215, 255



168, 242, 155



143, 195, 255

Square

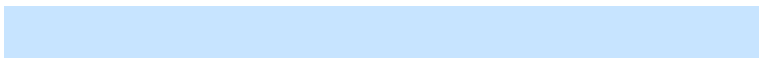
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



168, 242, 155



118, 186, 249



199, 218, 255



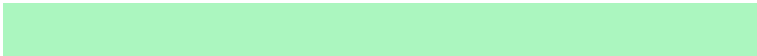
255, 201, 217

Rectangle

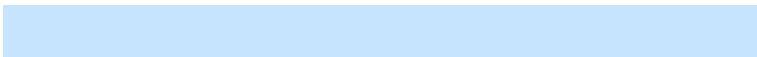
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



168, 242, 155



171, 230, 246



199, 218, 255



255, 207, 255

Sweetspot

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



168, 242, 155



232, 255, 227



242, 155, 167



115, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

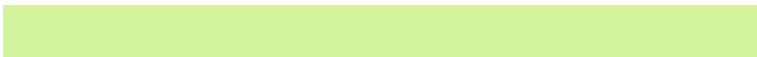
The Same Dimension uses a secret algorithm to generate beautiful new colors.



168, 242, 155



161, 255, 145



155, 242, 187



110, 120, 108



28, 184, 0



8, 56, 0

Inverse Universe

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



155, 165, 242



145, 158, 255



187, 155, 242



108, 109, 120



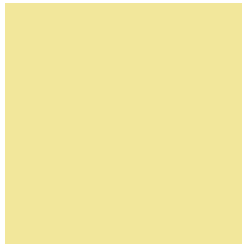
0, 21, 184



0, 6, 56

Previews

White Background



This preview shows how the RYB color 168, 242, 155 looks on a white background.

Color Contrast Check

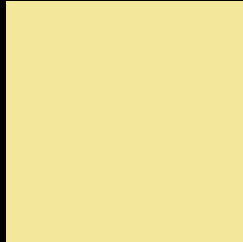
Large Text (above 18pt) WCAG AA × Fail

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 168, 242, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

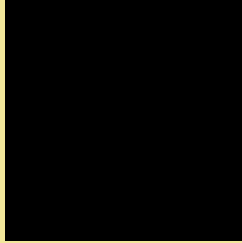
Any Text WCAG AA ✓ Pass

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 168, 242, 155 Background



This preview shows how black text looks on a background with the RYB color 168, 242, 155.



This preview shows how white text looks on a background with the RYB color 168, 242, 155.

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
168, 242, 155

Protanopia
178, 248, 154

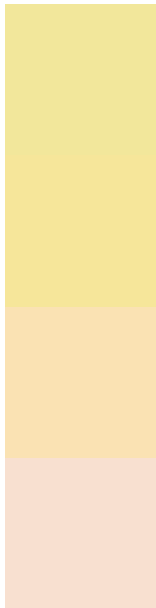
Deuteranopia
255, 251, 193



Tritanopia

251, 220, 238

Trichromacy



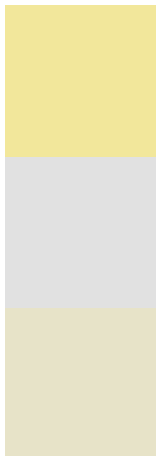
Original Color
168, 242, 155

Protanomaly
173, 246, 154

Deuteranomaly
215, 250, 179

Tritanomaly
248, 235, 208

Monochromacy



Original Color
168, 242, 155

Achromatopsia
225, 225, 225

Achromatomaly
205, 231, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 242, 155 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(242, 231, 155)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 155)  
}
```

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(242, 231, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 155) }
```

Border

The CSS property to change the border of an element to RYB 168, 242, 155 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(242, 231, 155) }
```

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

```
.border{ border-color:rgb(242, 231, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 155);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 168, 242, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 155) }
```

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

```
.background{ background-color: rgb(242,  
231, 155) }
```

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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