

Converting Colors

`RYB(166, 245, 147)`

Have a look what the booklet for
RYB(166, 245, 147) contains.

RYB(166, 245, 147)	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(166, 245, 147)

Conversions

Conversions Part 1

Format	Color
Hex	F5E593
RGB	245, 229, 147
RGB Percent	96%, 90%, 58%
CMY	0.0392, 0.1016, 0.4235
CMYK	0.00, 0.06, 0.40, 0.04
HSL	50°, 83%, 77%
HSV	50°, 40%, 96%
XYZ	70.9656, 77.6050, 38.8427
YIQ	224.4360, 35.8580, -22.1100

Conversions

Conversions Part 2

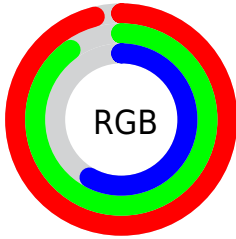
Format	Color
R _Y B	166, 245, 147
Decimal	16115091
CIE Lab	90.60, -5.88, 41.95
CIE LCh	91, 42.357, 97.979
Yxy	77.6050, 0.3787, 0.4141
Android (android.graphics.Color)	4294305171 (0xFF5E593)
YUV	224.4360, -38.1759, 18.0346
Hunter-Lab	88.0937, -10.3698, 35.5231

Details

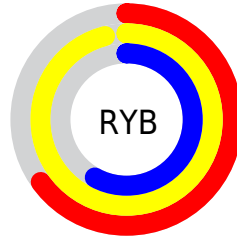
The RYB color **166, 245, 147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **147, 161, 245**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **202, 255, 202**, and **110, 187, 95** is the 20% darker color. If you saturate the color by 10%, you get **146, 245, 122**, and if you desaturate by 10%, it is **185, 245, 171**.

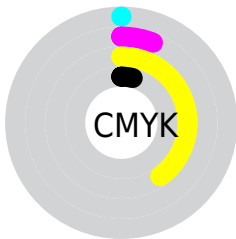
Distribution



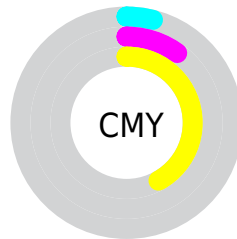
- Red (96%)
- Green (90%)
- Blue (58%)



- Red (65%)
- Yellow (96%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 245, 147 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 166, 245, 147 by changing the saturation by 10% instead.

 166, 245, 147


255, 255, 255

 202, 255, 202

 230, 255, 230

 166, 245, 147

 139, 216, 121

 110, 187, 95

 84, 159, 70

 56, 132, 45

 29, 105, 20

 8, 80, 0

 4, 55, 0

 0, 30, 0

 0, 4, 4

166, 245, 147

166, 245, 147

146, 245, 122

185, 245, 171

127, 245, 98

206, 245, 196

107, 245, 74

225, 245, 220

87, 245, 49

245, 245, 245

67, 245, 24

245, 248, 255

48, 245, 0

245, 249, 255

245, 250, 255

Harmonies

Analogous

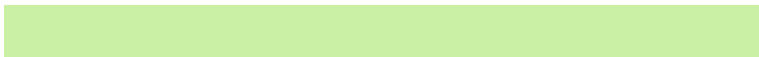
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220, 255, 154



166, 245, 147



163, 240, 202

Triad

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



166, 245, 147



83, 167, 255



255, 201, 255

Complementary

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



166, 245, 147



147, 161, 245

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.



247, 214, 255



166, 245, 147



125, 186, 255

Square

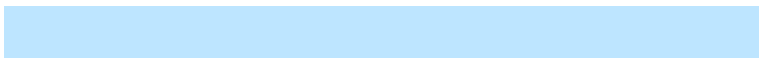
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



166, 245, 147



104, 180, 250



189, 214, 255



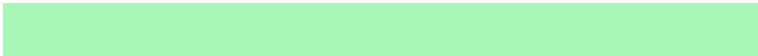
255, 197, 219

Rectangle

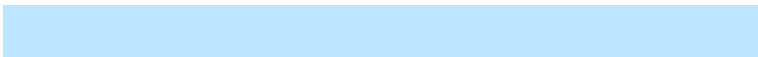
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



166, 245, 147



169, 233, 246



189, 214, 255



255, 205, 255

Sweetspot

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



166, 245, 147



230, 255, 224



245, 147, 163



114, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

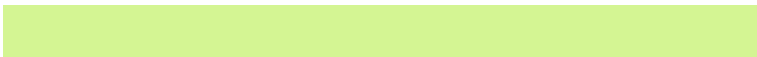
The Same Dimension uses a secret algorithm to generate beautiful new colors.



166, 245, 147



157, 255, 133



147, 245, 180



112, 122, 110



36, 186, 0



12, 59, 0

Inverse Universe

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



147, 161, 245



133, 149, 255



180, 147, 245



110, 112, 122



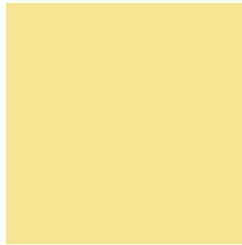
0, 26, 186



0, 9, 59

Previews

White Background



This preview shows how the RYB color 166, 245, 147 looks on a white background.

Color Contrast Check

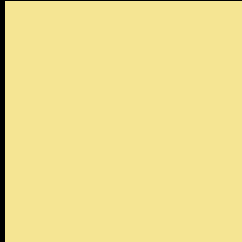
Large Text (above 18pt) WCAG AA × Fail

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 166, 245, 147 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 166, 245, 147 Background



This preview shows how black text looks on a background with the RYB color 166, 245, 147.



This preview shows how white text looks on a background with the RYB color 166, 245, 147.

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
166, 245, 147

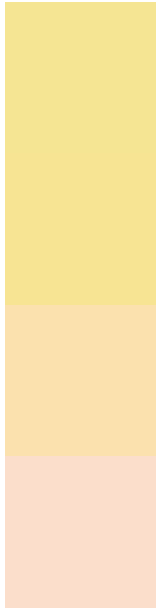
Protanopia
172, 248, 147

Deuteranopia
251, 255, 189



Tritanopia
255, 218, 235

Trichromacy



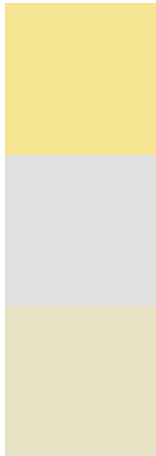
Original Color
166, 245, 147

Protanomaly
170, 247, 147

Deuteranomaly
213, 251, 174

Tritanomaly
251, 234, 203

Monochromacy



Original Color
166, 245, 147

Achromatopsia
224, 224, 224

Achromatomaly
203, 232, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 245, 147 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(245, 229, 147)` looks like.

```
.text, #text, p{  
    color:rgb(245, 229, 147)  
}
```

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(245, 229, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 229, 147) }
```

Border

The CSS property to change the border of an element to RYB 166, 245, 147 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(245, 229, 147) }
```

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

```
.border{ border-color:rgb(245, 229, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 229, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 229, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 229, 147);  
box-shadow:4px 4px 4px 4px rgb(245, 229,  
147) }
```

Background

The CSS property to change the background color of an element to RYB 166, 245, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 229, 147) }
```

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

```
.background{ background-color: rgb(245,  
229, 147) }
```

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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