

Converting Colors

`RYB(188, 242, 171)`

Have a look what the booklet for
RYB(188, 242, 171) contains.

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Color

R_YB(188, 242, 171)

Conversions

Conversions Part 1

Format	Color
Hex	F2E4AB
RGB	242, 228, 171
RGB Percent	95%, 89%, 67%
CMY	0.0510, 0.1048, 0.3294
CMYK	0.00, 0.06, 0.29, 0.05
HSL	48°, 73%, 81%
HSV	48°, 29%, 95%
XYZ	71.7903, 77.4608, 49.6957
YIQ	225.6880, 26.6410, -14.7590

Conversions

Conversions Part 2

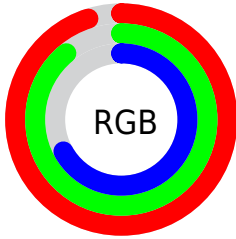
Format	Color
RYB	188, 242, 171
Decimal	15918251
CIELab	90.53, -3.84, 29.69
CIELCh	91, 29.939, 97.378
Yxy	77.4608, 0.3609, 0.3894
Android (android.graphics.Color)	4294108331 (0xFFFF2E4AB)
YUV	225.6880, -26.9612, 14.3056
Hunter-Lab	88.0118, -8.4202, 28.1302

Details

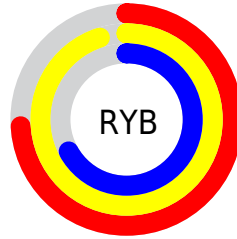
The RYB color **188, 242, 171** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **171, 183, 242**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **227, 255, 227**, and **133, 185, 118** is the 20% darker color. If you saturate the color by 10%, you get **169, 242, 147**, and if you desaturate by 10%, it is **206, 242, 195**.

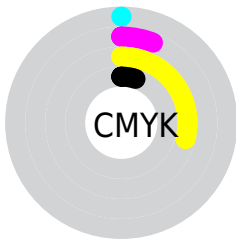
Distribution



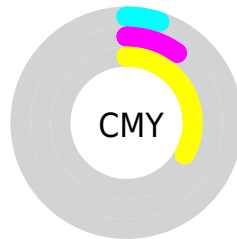
- Red (95%)
- Green (89%)
- Blue (67%)



- Red (74%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 242, 171 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 188, 242, 171 by changing the saturation by 10% instead.

■ 188, 242, 171

255, 255, 255

■ 227, 255, 227

■ 188, 242, 171

■ 160, 213, 144

■ 133, 185, 118

■ 108, 158, 93

■ 81, 131, 69

■ 57, 105, 46

■ 31, 80, 23

■ 7, 56, 0

■ 5, 33, 0

■ 0, 4, 4

188, 242, 171

188, 242, 171

169, 242, 147

206, 242, 195

152, 242, 123

224, 242, 219

133, 242, 98

242, 242, 244

114, 242, 74

242, 246, 255

96, 242, 50

242, 248, 255

78, 242, 26

242, 249, 255

59, 242, 2

58, 242, 0

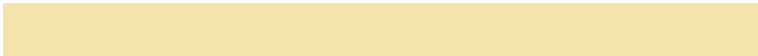
Harmonies

Analogous

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



242, 255, 176



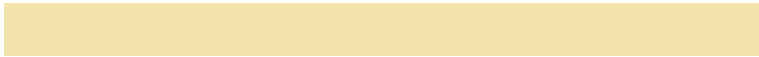
188, 242, 171



182, 237, 209

Triad

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



188, 242, 171



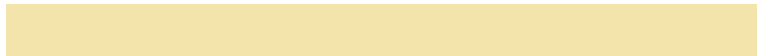
145, 197, 255



255, 210, 251

Complementary

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



188, 242, 171



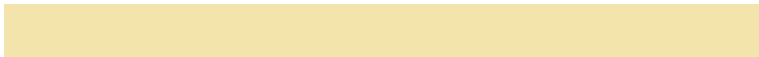
171, 183, 242

Split Complementary

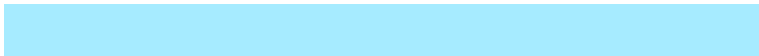
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



242, 218, 255



188, 242, 171



166, 205, 255

Square

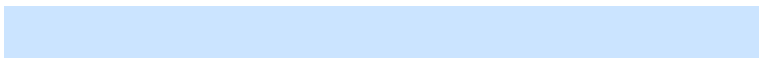
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



188, 242, 171



152, 201, 244



203, 220, 255



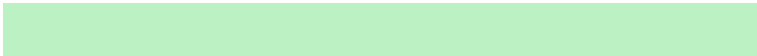
255, 207, 222

Rectangle

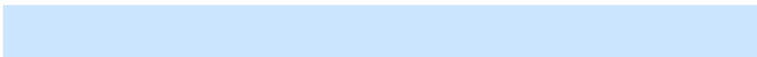
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



188, 242, 171



188, 234, 241



203, 220, 255



255, 212, 255

Sweetspot

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



188, 242, 171



237, 255, 232



242, 171, 185



117, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



188, 242, 171



187, 255, 166



171, 242, 192



110, 120, 108



45, 184, 0



14, 56, 0

Inverse Universe

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



171, 183, 242



166, 180, 255



192, 171, 242



108, 110, 120



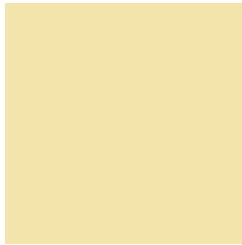
0, 29, 184



0, 9, 56

Previews

White Background



This preview shows how the RYB color 188, 242, 171 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 188, 242, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

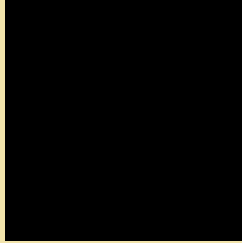
Any Text WCAG AA ✓ Pass

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 188, 242, 171 Background



This preview shows how black text looks on a background with the RYB color 188, 242, 171.

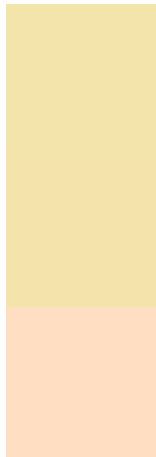


This preview shows how white text looks on a background with the RYB color 188, 242, 171.

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
188, 242, 171

Protanopia
191, 244, 171

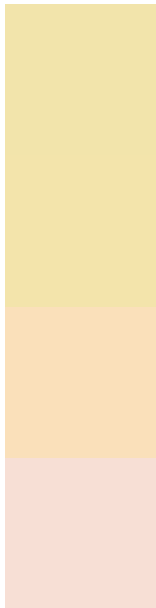
Deuteranopia
255, 246, 194



Tritanopia

250, 220, 237

Trichromacy



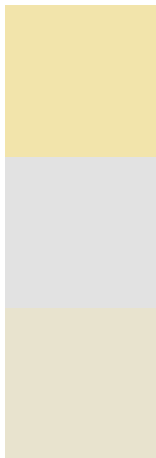
Original Color
188, 242, 171

Protanomaly
190, 243, 171

Deuteranomaly
230, 250, 186

Tritanomaly
247, 227, 213

Monochromacy



Original Color
188, 242, 171

Achromatopsia
226, 226, 226

Achromatomaly
212, 232, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 242, 171 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, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 171)  
}
```

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, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 171) }
```

Border

The CSS property to change the border of an element to RYB 188, 242, 171 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, 228, 171) }
```

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

```
.border{ border-color:rgb(242, 228, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 228, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 228, 171); box-shadow:4px 4px 4px 4px rgb(242, 228, 171) }
```

Background

The CSS property to change the background color of an element to RYB 188, 242, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 171) }
```

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

```
.background{ background-color: rgb(242,  
228, 171) }
```

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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