

Converting Colors

`RYB(217, 255, 142)`

Have a look what the booklet for
RYB(217, 255, 142) contains.

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Color

R_YB(217, 255, 142)

Conversions

Conversions Part 1

Format	Color
Hex	FFD28E
RGB	255, 210, 142
RGB Percent	100%, 82%, 56%
CMY	0.0000, 0.1768, 0.4431
CMYK	0.00, 0.18, 0.44, 0.00
HSL	36°, 100%, 78%
HSV	36°, 44%, 100%
XYZ	69.1494, 69.2668, 35.3164
YIQ	215.7030, 48.6480, -11.6080

Conversions

Conversions Part 2

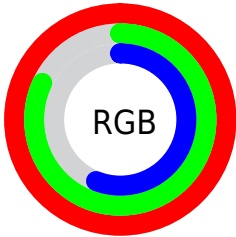
Format	Color
R _Y B	217, 255, 142
Decimal	16765582
CIE Lab	86.64, 7.30, 39.54
CIE LCh	87, 40.211, 79.540
Yxy	69.2668, 0.3980, 0.3987
Android (android.graphics.Color)	4294955662 (0xFFFFD28E)
YUV	215.7030, -36.3356, 34.4635
Hunter-Lab	83.2267, 2.6611, 33.0995

Details

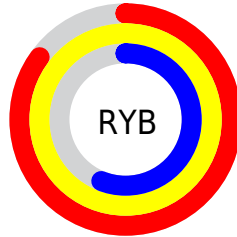
The RYB color **217, 255, 142** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **142, 174, 255**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **196, 255, 196**, and **156, 196, 91** is the 20% darker color. If you saturate the color by 10%, you get **208, 255, 117**, and if you desaturate by 10%, it is **227, 255, 168**.

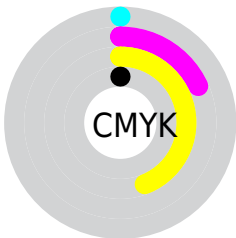
Distribution



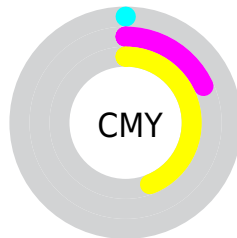
- Red (100%)
- Green (82%)
- Blue (56%)



- Red (85%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (18%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 255, 142 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 217, 255, 142 by changing the saturation by 10% instead.

 217, 255, 142

 217, 255, 142

255, 255, 255

 187, 225, 116

 196, 255, 196

 156, 196, 91

 225, 255, 225

 127, 168, 66

254, 255, 254

 96, 140, 42

 65, 113, 17

 42, 86, 0

 40, 60, 0

 35, 29, 0

 0, 0, 0

■ 217, 255, 142

■ 217, 255, 142

■ 208, 255, 117

■ 227, 255, 168

■ 199, 255, 91

■ 235, 255, 193

■ 193, 255, 66

■ 245, 255, 219

■ 183, 255, 40

■ 250, 255, 244

■ 175, 255, 15

255, 255, 255

■ 170, 255, 0

Harmonies

Analogous

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



255, 221, 160



217, 255, 142



144, 222, 148

Triad

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



217, 255, 142



88, 163, 241



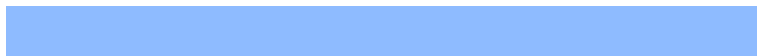
252, 198, 255

Complementary

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



217, 255, 142



142, 174, 255

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.



203, 211, 255



217, 255, 142



92, 168, 255

Square

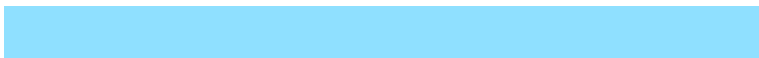
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



217, 255, 142



128, 193, 237



143, 190, 255



255, 189, 232

Rectangle

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



217, 255, 142



157, 229, 197



143, 190, 255



237, 203, 255

Sweetspot

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



217, 255, 142



243, 255, 222



255, 142, 187



123, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



217, 255, 142



210, 255, 120



142, 255, 153



126, 128, 115



126, 191, 0



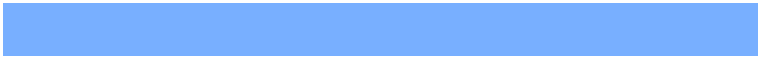
44, 64, 0

Inverse Universe

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



142, 174, 255



120, 159, 255



153, 142, 255



115, 119, 128



0, 54, 191



0, 18, 64

Previews

White Background



This preview shows how the RYB color 217, 255, 142 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 217, 255, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

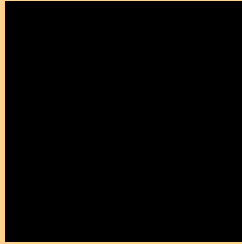
Any Text WCAG AA ✓ Pass

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 217, 255, 142 Background



This preview shows how black text looks on a background with the RYB color 217, 255, 142.



This preview shows how white text looks on a background with the RYB color 217, 255, 142.

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





Tritanopia
255, 204, 216

Trichromacy



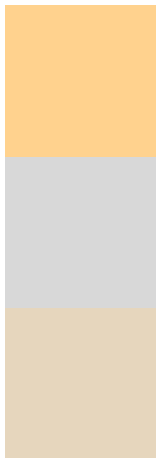
Original Color
217, 255, 142

Protanomaly
183, 242, 144

Deuteranomaly
233, 255, 151

Tritanomaly
255, 212, 189

Monochromacy



Original Color
217, 255, 142

Achromatopsia
216, 216, 216

Achromatomaly
215, 230, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 255, 142 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(255, 210, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 142)  
}
```

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(255, 210, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 142) }
```

Border

The CSS property to change the border of an element to RYB 217, 255, 142 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(255, 210, 142) }
```

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

```
.border{ border-color:rgb(255, 210, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 210, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 210, 142); box-shadow:4px 4px 4px 4px rgb(255, 210, 142) }
```

Background

The CSS property to change the background color of an element to RYB 217, 255, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 142) }
```

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

```
.background{ background-color: rgb(255,  
210, 142) }
```

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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