

Converting Colors

`RYB(228, 255, 161)`

Have a look what the booklet for
RYB(228, 255, 161) contains.

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Color

R_YB(228, 255, 161)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8A1
RGB	255, 216, 161
RGB Percent	100%, 85%, 63%
CMY	0.0000, 0.1534, 0.3686
CMYK	0.00, 0.15, 0.37, 0.00
HSL	35°, 100%, 82%
HSV	35°, 37%, 100%
XYZ	72.1987, 72.8845, 43.9810
YIQ	221.3910, 40.8990, -8.8370

Conversions

Conversions Part 2

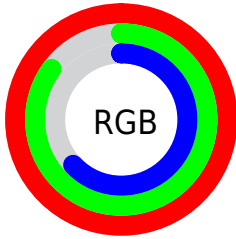
Format	Color
R _Y B	228, 255, 161
Decimal	16767137
CIE Lab	88.39, 6.24, 32.15
CIE LCh	88, 32.746, 79.007
Yxy	72.8845, 0.3819, 0.3855
Android (android.graphics.Color)	4294957217 (0xFFFFD8A1)
YUV	221.3910, -29.7728, 29.4751
Hunter-Lab	85.3724, 1.5541, 29.2164

Details

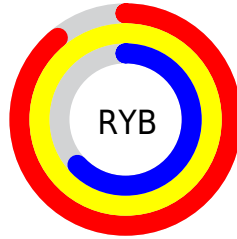
The RYB color **228, 255, 161** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **161, 189, 255**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **216, 255, 216**, and **170, 197, 109** is the 20% darker color. If you saturate the color by 10%, you get **221, 255, 135**, and if you desaturate by 10%, it is **238, 255, 187**.

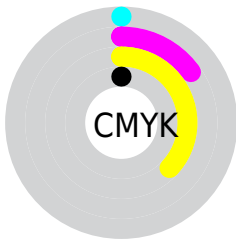
Distribution



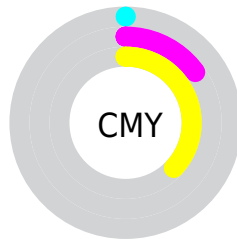
- Red (100%)
- Green (85%)
- Blue (63%)



- Red (89%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (15%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 255, 161 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 228, 255, 161 by changing the saturation by 10% instead.


 228, 255, 161


255, 255, 255


 216, 255, 216

 245, 255, 245


 228, 255, 161

 200, 226, 135

 170, 197, 109


 141, 169, 84

 110, 141, 60

 81, 114, 37

 54, 88, 14

 36, 64, 0

 31, 38, 0

 0, 0, 0

■ 228, 255, 161

■ 228, 255, 161

■ 221, 255, 135

■ 238, 255, 187

■ 212, 255, 110

■ 243, 255, 212

■ 205, 255, 84

■ 250, 255, 238

■ 200, 255, 59

255, 255, 255

■ 190, 255, 33

■ 185, 255, 8

■ 181, 255, 0

Harmonies

Analogous

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



255, 224, 176



228, 255, 161



162, 226, 164

Triad

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



228, 255, 161



130, 185, 241



250, 207, 255

Complementary

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



228, 255, 161



161, 189, 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.



211, 217, 255



228, 255, 161



133, 189, 255

Square

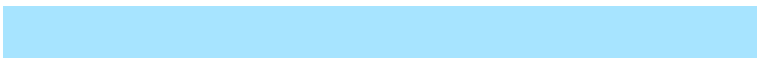
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228, 255, 161



154, 206, 239



167, 203, 255



255, 200, 235

Rectangle

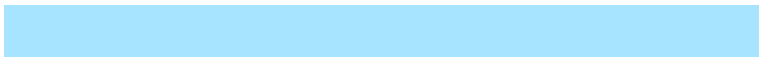
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228, 255, 161



173, 232, 205



167, 203, 255



238, 211, 255

Sweetspot

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



228, 255, 161



248, 255, 227



255, 161, 200



123, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

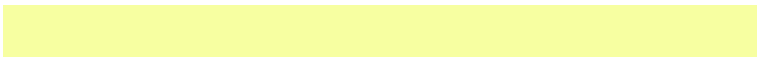
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 255, 161



224, 255, 143



161, 255, 169



126, 128, 115



135, 191, 0



47, 64, 0

Inverse Universe

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



161, 189, 255



143, 176, 255



169, 161, 255



115, 119, 128



0, 56, 191



0, 19, 64

Previews

White Background



This preview shows how the RYB color 228, 255, 161 looks on a white background.

Color Contrast Check

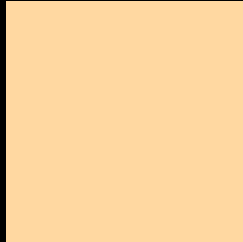
Large Text (above 18pt) WCAG AA × Fail

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 228, 255, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

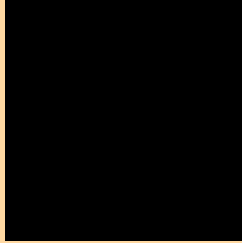
Any Text WCAG AA ✓ Pass

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 228, 255, 161 Background



This preview shows how black text looks on a background with the RYB color 228, 255, 161.




This preview shows how white text looks on a background with the RYB color 228, 255, 161.

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

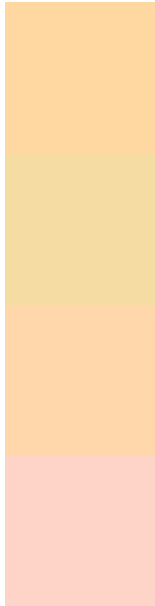
	Original Color 228, 255, 161
	Protanopia 184, 238, 164
	Deuteranopia 255, 253, 176



Tritanopia

255, 210, 223

Trichromacy



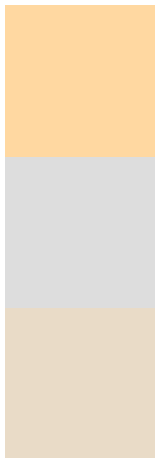
Original Color
228, 255, 161

Protanomaly
197, 244, 163

Deuteranomaly
247, 255, 171

Tritanomaly
255, 215, 200

Monochromacy



Original Color
228, 255, 161

Achromatopsia
221, 221, 221

Achromatomaly
223, 233, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 255, 161 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, 216, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 161)  
}
```

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, 216, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 161) }
```

Border

The CSS property to change the border of an element to RYB 228, 255, 161 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, 216, 161) }
```

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

```
.border{ border-color:rgb(255, 216, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 228, 255, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 161) }
```

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

```
.background{ background-color: rgb(255,  
216, 161) }
```

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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