

Converting Colors

`RYB(249, 241, 161)`

Have a look what the booklet for
RYB(249, 241, 161) contains.

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Color

R_YB(249, 241, 161)

Conversions

Conversions Part 1

Format	Color
Hex	F9CBA1
RGB	249, 203, 161
RGB Percent	98%, 80%, 63%
CMY	0.0235, 0.2043, 0.3686
CMYK	0.00, 0.19, 0.35, 0.02
HSL	29°, 88%, 80%
HSV	29°, 35%, 98%
XYZ	66.8334, 65.3798, 42.8153
YIQ	211.9660, 40.8980, -3.3100

Conversions

Conversions Part 2

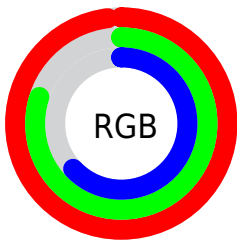
Format	Color
R _Y B	249, 241, 161
Decimal	16370593
CIE Lab	84.68, 10.66, 27.06
CIE LCh	85, 29.084, 68.503
Yxy	65.3798, 0.3818, 0.3735
Android (android.graphics.Color)	4294560673 (0xFFF9CBA1)
YUV	211.9660, -25.1262, 32.4788
Hunter-Lab	80.8578, 6.0388, 25.2056

Details

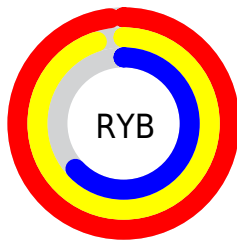
The RYB color **249, 241, 161** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **161, 191, 249**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **216, 255, 216**, and **191, 187, 109** is the 20% darker color. If you saturate the color by 10%, you get **249, 239, 136**, and if you desaturate by 10%, it is **249, 243, 186**.

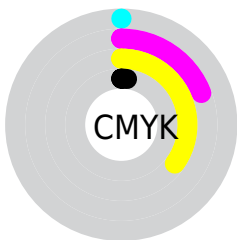
Distribution



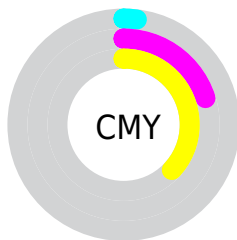
- Red (98%)
- Green (80%)
- Blue (63%)



- Red (98%)
- Yellow (95%)
- Blue (63%)



- Cyan (0%)
- Magenta (19%)
- Yellow (35%)
- Black (2%)



- Cyan (2%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the RYB color 249, 241, 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 249, 241, 161 by changing the saturation by 10% instead.


 249, 241, 161

 249, 241, 161


255, 255, 255

 220, 211, 135

 216, 255, 216

 191, 187, 109

 245, 255, 245

 163, 161, 84

 136, 134, 61

 107, 109, 38

 75, 83, 17

 57, 59, 0

 35, 10, 0

 0, 0, 0

■ 249, 241, 161

■ 249, 241, 161

■ 249, 239, 136

■ 249, 243, 186

■ 249, 238, 111

■ 249, 245, 211

■ 249, 236, 86

■ 249, 247, 236

■ 249, 234, 61

■ 249, 252, 255

■ 249, 230, 37

■ 249, 228, 12

■ 249, 228, 0

Harmonies

Analogous

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



255, 200, 178



249, 241, 161



172, 224, 157

Triad

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



249, 241, 161



138, 185, 227



226, 202, 254

Complementary

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



249, 241, 161



161, 191, 249

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.



189, 206, 255



249, 241, 161



132, 183, 245

Square

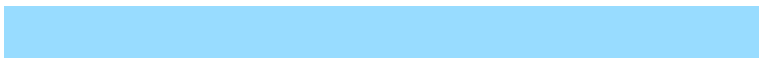
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



249, 241, 161



162, 206, 225



152, 193, 255



253, 194, 232

Rectangle

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



249, 241, 161



163, 218, 177



152, 193, 255



214, 205, 255

Sweetspot

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



249, 241, 161



255, 251, 227



249, 161, 208



128, 126, 111



0, 0, 0



128, 128, 128

Same Dimension

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



249, 241, 161



255, 245, 148



164, 249, 161



125, 123, 112



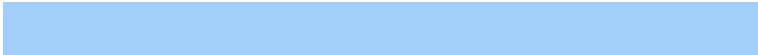
189, 172, 0



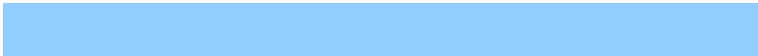
61, 55, 0

Inverse Universe

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



161, 191, 249



148, 185, 255



161, 164, 249



112, 117, 125



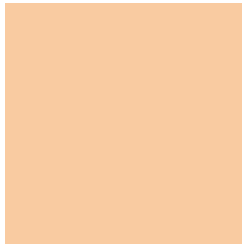
0, 65, 189



0, 21, 61

Previews

White Background



This preview shows how the RYB color 249, 241, 161 looks on a white background.

Color Contrast Check

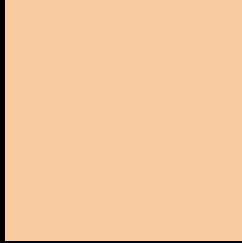
Large Text (above 18pt) WCAG AA × Fail

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 249, 241, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

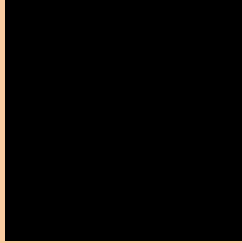
Any Text WCAG AA ✓ Pass

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 249, 241, 161 Background



This preview shows how black text looks on a background with the RYB color 249, 241, 161.





This preview shows how white text looks on a background with the RYB color 249, 241, 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 249, 241, 161
	Protanopia 185, 226, 165
	Deuteranopia 249, 241, 161



Tritanopia
254, 196, 211

Trichromacy



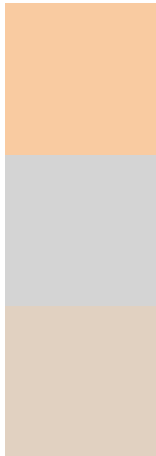
Original Color
249, 241, 161

Protanomaly
205, 234, 164

Deuteranomaly
249, 241, 161

Tritanomaly
252, 200, 193

Monochromacy



Original Color
249, 241, 161

Achromatopsia
212, 212, 212

Achromatomaly
225, 225, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 249, 241, 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(249, 203, 161) looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 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(249, 203, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 161) }
```

Border

The CSS property to change the border of an element to RYB 249, 241, 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(249, 203, 161) }
```

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

```
.border{ border-color:rgb(249, 203, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 203, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 203, 161); box-shadow:4px 4px 4px 4px rgb(249, 203, 161) }
```

Background

The CSS property to change the background color of an element to RYB 249, 241, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 161) }
```

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

```
.background{ background-color: rgb(249,  
203, 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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