

Converting Colors

`RYB(249, 243, 98)`

Have a look what the booklet for
RYB(249, 243, 98) contains.

RYB(249, 243, 98)	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(249, 243, 98)

Conversions

Conversions Part 1

Format	Color
Hex	F9AC62
RGB	249, 172, 98
RGB Percent	98%, 67%, 38%
CMY	0.0235, 0.3256, 0.6157
CMYK	0.00, 0.31, 0.61, 0.02
HSL	29°, 93%, 68%
HSV	29°, 61%, 98%
XYZ	56.0183, 50.5151, 18.3532
YIQ	186.5870, 69.6460, -6.6900

Conversions

Conversions Part 2

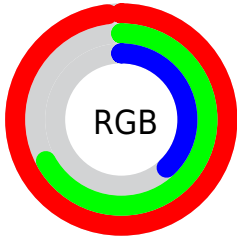
Format	Color
R _Y B	249, 243, 98
Decimal	16362594
CIE Lab	76.38, 21.00, 48.80
CIE LCh	76, 53.132, 66.714
Yxy	50.5151, 0.4486, 0.4045
Android (android.graphics.Color)	4294552674 (0xFFF9AC62)
YUV	186.5870, -43.6734, 54.7362
Hunter-Lab	71.0739, 16.3087, 34.4415

Details

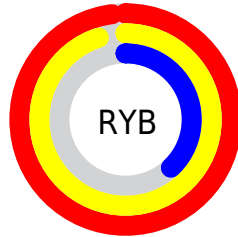
The RYB color **249, 243, 98** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **98, 149, 249**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **187, 255, 151**, and **183, 189, 48** is the 20% darker color. If you saturate the color by 10%, you get **249, 241, 73**, and if you desaturate by 10%, it is **249, 245, 123**.

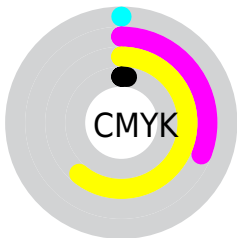
Distribution



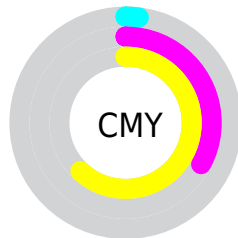
- Red (98%)
- Green (67%)
- Blue (38%)



- Red (98%)
- Yellow (95%)
- Blue (38%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (2%)



















- Cyan (2%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 249, 243, 98 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, 243, 98 by changing the saturation by 10% instead.

 249, 243, 98	 249, 243, 98
 255, 255, 255	 219, 215, 73
 189, 255, 151	 183, 189, 48
 178, 255, 178	 142, 159, 22
 206, 255, 206	 108, 130, 0
 234, 255, 234	 102, 91, 0
	 74, 40, 0
	 48, 4, 0
	 14, 0, 0
	 0, 0, 0

249, 243, 98

249, 243, 98

249, 241, 73

249, 245, 123

249, 243, 48

249, 243, 148

249, 241, 23

249, 245, 173

249, 239, 0

249, 247, 198

249, 245, 223

249, 249, 247

249, 252, 255

Harmonies

Analogous

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



255, 160, 132



249, 243, 98



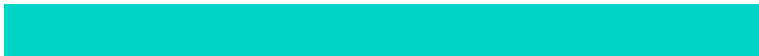
108, 207, 87

Triad

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



249, 243, 98



0, 111, 214



207, 171, 255

Complementary

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



249, 243, 98



98, 149, 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.



125, 168, 255



249, 243, 98



0, 114, 246

Square

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



249, 243, 98



87, 170, 211



0, 113, 255



255, 154, 228

Rectangle

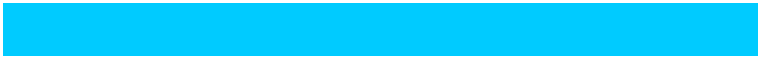
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



249, 243, 98



97, 199, 122



0, 113, 255



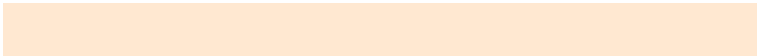
184, 178, 255

Sweetspot

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



249, 243, 98



255, 255, 209



249, 98, 176



128, 126, 99



0, 0, 0



128, 128, 128

Same Dimension

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



249, 243, 98



255, 247, 69



101, 249, 98



123, 125, 112



189, 179, 0



61, 59, 0

Inverse Universe

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



98, 149, 249



69, 132, 255



98, 101, 249



112, 117, 125



0, 64, 189



0, 21, 61

Previews

White Background



This preview shows how the RYB color 249, 243, 98 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, 243, 98 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

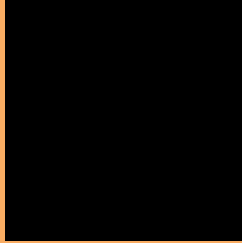
Any Text WCAG AA ✓ Pass

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, 243, 98 Background



This preview shows how black text looks on a background with the RYB color 249, 243, 98.



This preview shows how white text looks on a background with the RYB color 249, 243, 98.

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, 243, 98

Protanopia
127, 208, 104

Deuteranopia
180, 232, 96



Tritanopia
255, 163, 175

Trichromacy



Original Color

249, 243, 98



Protanomaly

162, 223, 102



Deuteranomaly

205, 238, 97



Tritanomaly

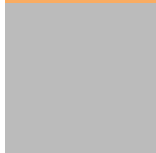
253, 170, 147

Monochromacy



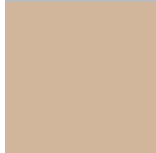
Original Color

249, 243, 98



Achromatopsia

187, 187, 187



Achromatomaly

210, 208, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 249, 243, 98 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, 172, 98)` looks like.

```
.text, #text, p{  
    color:rgb(249, 172, 98)  
}
```

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, 172, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 172, 98) }
```

Border

The CSS property to change the border of an element to RYB 249, 243, 98 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, 172, 98) }
```

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

```
.border{ border-color:rgb(249, 172, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 172, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 172, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 172, 98);  
box-shadow:4px 4px 4px 4px rgb(249, 172,  
98) }
```

Background

The CSS property to change the background color of an element to RGB 249, 243, 98 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 172, 98) }
```

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

```
.background{ background-color: rgb(249,  
172, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor