

Converting Colors

`RYB(253, 229, 104)`

Have a look what the booklet for
RYB(253, 229, 104) contains.

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Color

R_YB(253, 229, 104)

Conversions

Conversions Part 1

Format	Color
Hex	FDAC68
RGB	253, 172, 104
RGB Percent	99%, 67%, 41%
CMY	0.0078, 0.3256, 0.5922
CMYK	0.00, 0.32, 0.59, 0.01
HSL	27°, 97%, 70%
HSV	27°, 59%, 99%
XYZ	57.7544, 51.3774, 19.9696
YIQ	188.4670, 70.1040, -3.9760

Conversions

Conversions Part 2

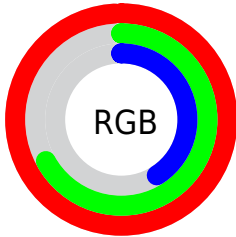
Format	Color
R_{YB}	253, 229, 104
Decimal	16624744
CIE _{Lab}	76.91, 23.04, 46.55
CIE _{LCh}	77, 51.941, 63.671
Yxy	51.3774, 0.4474, 0.3980
Android (android.graphics.Color)	4294814824 (0xFFFDAC68)
YUV	188.4670, -41.6422, 56.5954
Hunter-Lab	71.6781, 18.3892, 33.6564

Details

The RYB color **253, 229, 104** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **104, 156, 253**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **194, 255, 157**, and **193, 176, 54** is the 20% darker color. If you saturate the color by 10%, you get **253, 224, 79**, and if you desaturate by 10%, it is **253, 234, 129**.

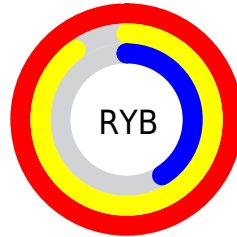
Distribution



Red (99%)

Green (67%)

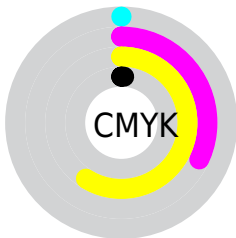
Blue (41%)



Red (99%)

Yellow (90%)

Blue (41%)

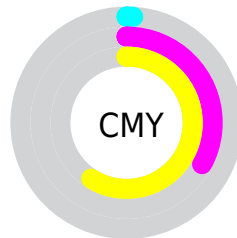


Cyan (0%)

Magenta (32%)

Yellow (59%)

Black (1%)



Cyan (1%)

Magenta (33%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 253, 229, 104 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 253, 229, 104 by changing the saturation by 10% instead.


 253, 229, 104

 253, 229, 104


255, 255, 255

 223, 201, 79

 194, 255, 157

 193, 176, 54

 184, 255, 184

 163, 155, 29

 212, 255, 212

 124, 134, 1

 241, 255, 241

 106, 84, 0

 78, 37, 0

 51, 3, 0

 21, 0, 0

 0, 0, 0

■ 253, 229, 104

■ 253, 229, 104

■ 253, 224, 79

■ 253, 234, 129

■ 253, 220, 53

■ 253, 235, 155

■ 253, 218, 28

■ 253, 240, 180

■ 253, 213, 3

■ 253, 246, 205

■ 253, 211, 0

■ 253, 249, 231

253, 254, 255

Harmonies

Analogous

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



255, 159, 139



253, 229, 104



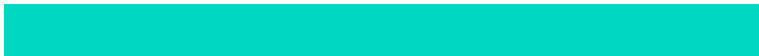
121, 213, 91

Triad

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



253, 229, 104



0, 113, 215



202, 175, 255

Complementary

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



253, 229, 104



104, 156, 253

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.



119, 167, 255



253, 229, 104



0, 113, 242

Square

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



253, 229, 104



100, 179, 211



0, 114, 255



254, 158, 233

Rectangle

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



253, 229, 104



99, 199, 117



0, 114, 255



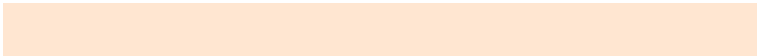
178, 181, 255

Sweetspot

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



253, 229, 104



255, 248, 209



253, 104, 186



128, 123, 99



0, 0, 0



128, 128, 128

Same Dimension

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



253, 229, 104



255, 227, 74



111, 253, 104



128, 126, 115



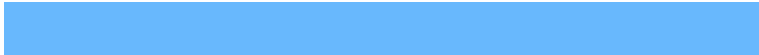
191, 160, 0



64, 53, 0

Inverse Universe

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



104, 156, 253



74, 138, 255



104, 111, 253



115, 120, 128



0, 67, 191



0, 23, 64

Previews

White Background



This preview shows how the RYB color 253, 229, 104 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 253, 229, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

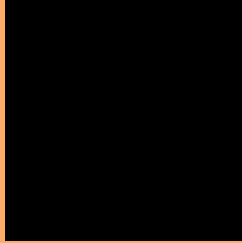
Any Text WCAG AA ✓ Pass

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 253, 229, 104 Background



This preview shows how black text looks on a background with the RYB color 253, 229, 104.



This preview shows how white text looks on a background with the RYB color 253, 229, 104.

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
253, 229, 104

Protanopia
135, 209, 111

Deuteranopia
188, 233, 102



Tritanopia
255, 165, 177

Trichromacy



Original Color

253, 229, 104



Protanomaly

174, 225, 108



Deuteranomaly

216, 240, 103



Tritanomaly

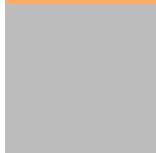
254, 172, 150

Monochromacy



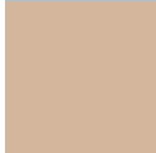
Original Color

253, 229, 104



Achromatopsia

188, 188, 188



Achromatomaly

212, 203, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 253, 229, 104 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(253, 172, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 172, 104)  
}
```

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(253, 172, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 172, 104) }
```

Border

The CSS property to change the border of an element to RYB 253, 229, 104 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(253, 172, 104) }
```

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

```
.border{ border-color:rgb(253, 172, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 172, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 172, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 172, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 172,  
104) }
```

Background

The CSS property to change the background color of an element to RYB 253, 229, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 172, 104) }
```

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

```
.background{ background-color: rgb(253,  
172, 104) }
```

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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