

Converting Colors

`RYB(242, 207, 137)`

Have a look what the booklet for
RYB(242, 207, 137) contains.

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Color

R_YB(242, 207, 137)

Conversions

Conversions Part 1

Format	Color
Hex	F2B389
RGB	242, 179, 137
RGB Percent	95%, 70%, 54%
CMY	0.0510, 0.2980, 0.4627
CMYK	0.00, 0.26, 0.43, 0.05
HSL	24°, 80%, 74%
HSV	24°, 43%, 95%
XYZ	57.2534, 52.9236, 30.8646
YIQ	193.0490, 51.0300, 0.2940

Conversions

Conversions Part 2

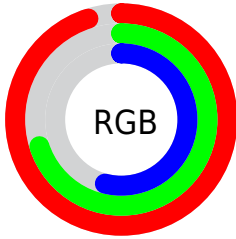
Format	Color
R _Y B	242, 207, 137
Decimal	15905673
CIE Lab	77.83, 17.83, 30.40
CIE LCh	78, 35.240, 59.602
Yxy	52.9236, 0.4059, 0.3752
Android (android.graphics.Color)	4294095753 (0xFFFF2B389)
YUV	193.0490, -27.6322, 42.9300
Hunter-Lab	72.7486, 13.1701, 25.7694

Details

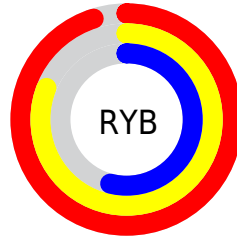
The RYB color **242, 207, 137** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **137, 176, 242**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **220, 255, 191**, and **184, 152, 87** is the 20% darker color. If you saturate the color by 10%, you get **242, 197, 113**, and if you desaturate by 10%, it is **242, 217, 161**.

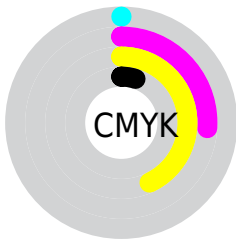
Distribution



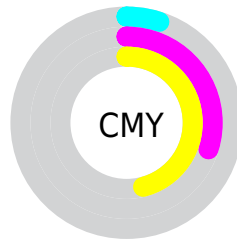
- Red (95%)
- Green (70%)
- Blue (54%)



- Red (95%)
- Yellow (81%)
- Blue (54%)



- Cyan (0%)
- Magenta (26%)
- Yellow (43%)
- Black (5%)



- Cyan (5%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 207, 137 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 242, 207, 137 by changing the saturation by 10% instead.

 242, 207, 137

 242, 207, 137

255, 255, 255

 213, 180, 111

 220, 255, 191

 184, 152, 87

 219, 255, 219

 155, 128, 63

 247, 255, 247

 128, 104, 40

 100, 82, 18

 75, 56, 0

 48, 14, 0

 19, 0, 0

 0, 0, 0

 242, 207, 137


 242, 207, 137

 242, 197, 113

 242, 217, 161

 242, 190, 89


 242, 224, 185

 242, 182, 64

 242, 232, 210

 242, 175, 40

 242, 239, 234

 242, 166, 16

 242, 248, 255

 242, 162, 0

 242, 249, 255

Harmonies

Analogous

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



255, 171, 162



242, 207, 137



162, 215, 127

Triad

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



242, 207, 137



105, 163, 210



196, 184, 249

Complementary

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



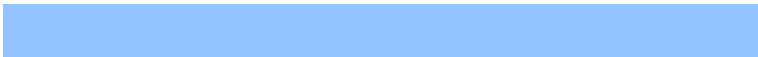
242, 207, 137



137, 176, 242

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.



148, 181, 255



242, 207, 137



81, 149, 224

Square

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



242, 207, 137



143, 195, 207



100, 161, 248



234, 173, 226

Rectangle

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



242, 207, 137



130, 197, 134



100, 161, 248



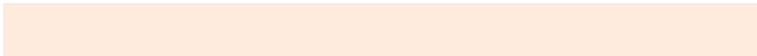
181, 187, 254

Sweetspot

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



242, 207, 137



255, 243, 222



242, 137, 200



128, 120, 107



0, 0, 0



128, 128, 128

Same Dimension

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



242, 207, 137



255, 210, 122



149, 242, 137



120, 117, 108



184, 121, 0



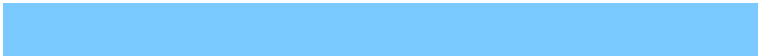
56, 36, 0

Inverse Universe

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



137, 176, 242



122, 172, 255



137, 146, 242



108, 112, 120



0, 69, 184



0, 21, 56

Previews

White Background



This preview shows how the RYB color 242, 207, 137 looks on a white background.

Color Contrast Check

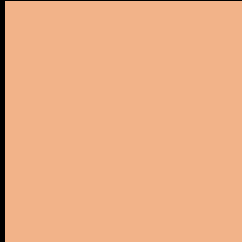
Large Text (above 18pt) WCAG AA × Fail

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 242, 207, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

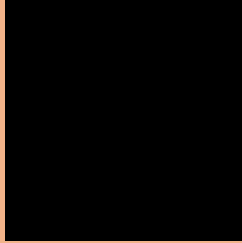
Any Text WCAG AA ✓ Pass

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 242, 207, 137 Background



This preview shows how black text looks on a background with the RYB color 242, 207, 137.

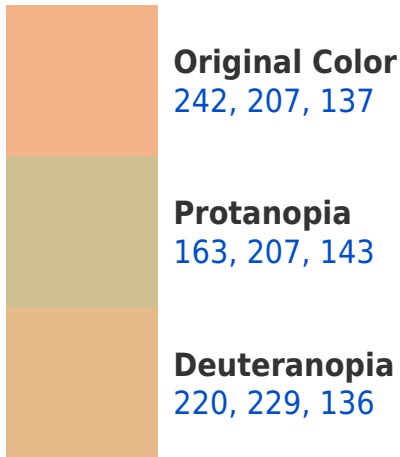


This preview shows how white text looks on a background with the RYB color 242, 207, 137.

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
246, 172, 186

Trichromacy



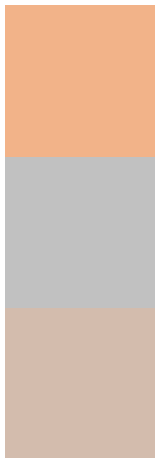
Original Color
242, 207, 137

Protanomaly
198, 220, 141

Deuteranomaly
234, 226, 136

Tritanomaly
245, 176, 168

Monochromacy



Original Color
242, 207, 137

Achromatopsia
193, 193, 193

Achromatomaly
211, 198, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 207, 137 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(242, 179, 137)` looks like.

```
.text, #text, p{  
    color:rgb(242, 179, 137)  
}
```

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(242, 179, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 179, 137) }
```

Border

The CSS property to change the border of an element to RYB 242, 207, 137 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(242, 179, 137) }
```

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

```
.border{ border-color:rgb(242, 179, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 179, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 179, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 179, 137);  
box-shadow:4px 4px 4px 4px rgb(242, 179,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 242, 207, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 179, 137) }
```

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

```
.background{ background-color: rgb(242,  
179, 137) }
```

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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