

Converting Colors

`RYB(222, 240, 132)`

Have a look what the booklet for
RYB(222, 240, 132) contains.

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Color

R_YB(222, 240, 132)

Conversions

Conversions Part 1

Format	Color
Hex	F0BF84
RGB	240, 191, 132
RGB Percent	94%, 75%, 52%
CMY	0.0588, 0.2513, 0.4824
CMYK	0.00, 0.20, 0.45, 0.06
HSL	33°, 78%, 73%
HSV	33°, 45%, 94%
XYZ	58.7110, 57.4132, 29.8172
YIQ	198.9250, 48.1430, -7.9610

Conversions

Conversions Part 2

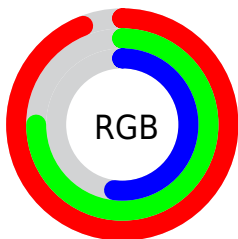
Format	Color
R_{YB}	222, 240, 132
Decimal	15777668
CIE Lab	80.41, 10.26, 36.35
CIE LCh	80, 37.769, 74.241
Yxy	57.4132, 0.4023, 0.3934
Android (android.graphics.Color)	4293967748 (0xFFFF0BF84)
YUV	198.9250, -32.9940, 36.0228
Hunter-Lab	75.7715, 5.7094, 29.7085

Details

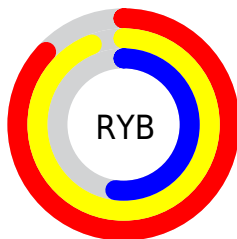
The RYB color **222, 240, 132** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **132, 166, 240**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **195, 255, 186**, and **159, 182, 81** is the 20% darker color. If you saturate the color by 10%, you get **218, 240, 108**, and if you desaturate by 10%, it is **225, 240, 156**.

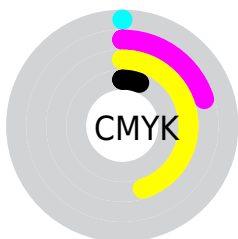
Distribution



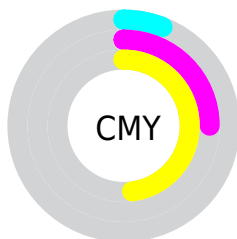
- Red (94%)
- Green (75%)
- Blue (52%)



- Red (87%)
- Yellow (94%)
- Blue (52%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)
- Black (6%)



- Cyan (6%)
- Magenta (25%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 240, 132 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 222, 240, 132 by changing the saturation by 10% instead.

 222, 240, 132

255, 255, 255

 195, 255, 186


 214, 255, 214

 242, 255, 242

 222, 240, 132

 191, 211, 106

 159, 182, 81

 131, 154, 57

 99, 126, 34

 64, 99, 9

 56, 74, 0

 47, 41, 0

 23, 0, 0

 0, 0, 0

 222, 240, 132


 222, 240, 132

 218, 240, 108

 225, 240, 156

 214, 240, 84


 229, 240, 180

 211, 240, 60

 233, 240, 204

 207, 240, 36

 237, 240, 228

 203, 240, 12

 240, 244, 252

 200, 240, 0

 240, 248, 255

Harmonies

Analogous

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



255, 189, 152



222, 240, 132



134, 207, 130

Triad

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



222, 240, 132



85, 153, 219



225, 184, 250

Complementary

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



222, 240, 132



132, 166, 240

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.



177, 193, 255



222, 240, 132



79, 155, 248

Square

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



222, 240, 132



125, 183, 217



122, 174, 255



255, 175, 220

Rectangle

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



222, 240, 132



140, 209, 168



122, 174, 255



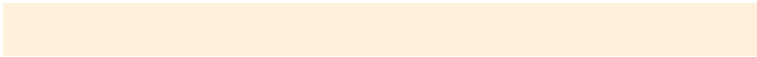
211, 189, 255

Sweetspot

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



222, 240, 132



248, 255, 219



240, 132, 182



124, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



222, 240, 132



233, 255, 117



132, 240, 136



120, 120, 108



155, 184, 0



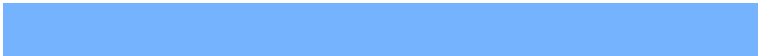
45, 56, 0

Inverse Universe

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



132, 166, 240



117, 160, 255



136, 132, 240



108, 112, 120



0, 57, 184



0, 17, 56

Previews

White Background



This preview shows how the RYB color 222, 240, 132 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 222, 240, 132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

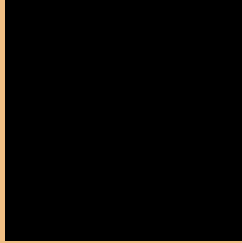
Any Text WCAG AA ✓ Pass

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 222, 240, 132 Background



This preview shows how black text looks on a background with the RYB color 222, 240, 132.

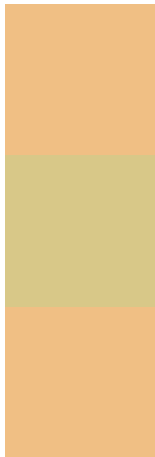


This preview shows how white text looks on a background with the RYB color 222, 240, 132.

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
222, 240, 132

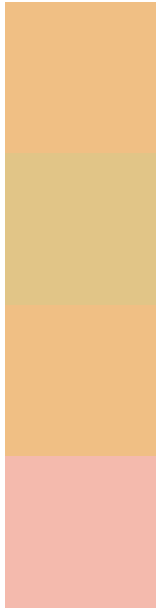
Protanopia
156, 216, 136

Deuteranopia
222, 240, 132



Tritanopia
246, 183, 197

Trichromacy



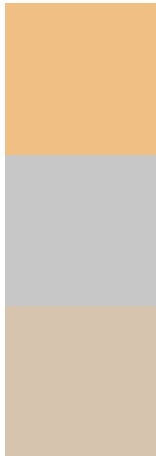
Original Color
222, 240, 132

Protanomaly
176, 225, 135

Deuteranomaly
222, 240, 132

Tritanomaly
244, 189, 173

Monochromacy



Original Color
222, 240, 132

Achromatopsia
199, 199, 199

Achromatomaly
208, 214, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 240, 132 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(240, 191, 132)` looks like.

```
.text, #text, p{  
    color:rgb(240, 191, 132)  
}
```

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(240, 191, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 191, 132) }
```

Border

The CSS property to change the border of an element to RYB 222, 240, 132 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(240, 191, 132) }
```

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

```
.border{ border-color:rgb(240, 191, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 191, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 191, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 191, 132);  
box-shadow:4px 4px 4px 4px rgb(240, 191,  
132) }
```

Background

The CSS property to change the background color of an element to RGB 222, 240, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 191, 132) }
```

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

```
.background{ background-color: rgb(240,  
191, 132) }
```

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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