

Converting Colors

`RYB(210, 240, 142)`

Have a look what the booklet for
RYB(210, 240, 142) contains.

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Color

$\text{RYB}(210, 240, 142)$

Conversions

Conversions Part 1

Format	Color
Hex	F0C88E
RGB	240, 200, 142
RGB Percent	94%, 78%, 56%
CMY	0.0588, 0.2163, 0.4431
CMYK	0.00, 0.17, 0.41, 0.06
HSL	35°, 77%, 75%
HSV	35°, 41%, 94%
XYZ	61.4385, 61.7199, 34.2662
YIQ	205.3480, 42.4580, -9.5580

Conversions

Conversions Part 2

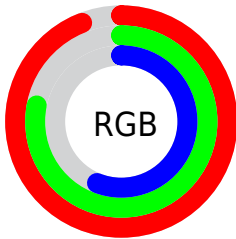
Format	Color
R _Y B	210, 240, 142
Decimal	15779982
CIE Lab	82.76, 6.61, 34.24
CIE LCh	83, 34.876, 79.073
Yxy	61.7199, 0.3903, 0.3921
Android (android.graphics.Color)	4293970062 (0xFFFF0C88E)
YUV	205.3480, -31.2306, 30.3898
Hunter-Lab	78.5620, 2.1103, 29.1331

Details

The RYB color **210, 240, 142** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **142, 170, 240**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **196, 255, 196**, and **151, 182, 91** is the 20% darker color. If you saturate the color by 10%, you get **203, 240, 118**, and if you desaturate by 10%, it is **216, 240, 166**.

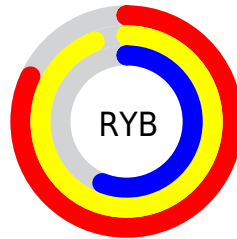
Distribution



Red (94%)

Green (78%)

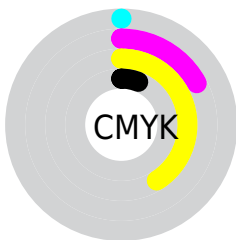
Blue (56%)



Red (82%)

Yellow (94%)

Blue (56%)

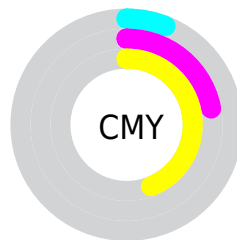


Cyan (0%)

Magenta (17%)

Yellow (41%)

Black (6%)



Cyan (6%)

Magenta (22%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 240, 142 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 210, 240, 142 by changing the saturation by 10% instead.

 210, 240, 142

255, 255, 255


 196, 255, 196

 224, 255, 224

253, 255, 253

 210, 240, 142

 179, 211, 116

 151, 182, 91

 123, 154, 67

 92, 127, 43

 63, 100, 20

 38, 75, 0

 36, 50, 0

 25, 5, 0

 0, 0, 0

 210, 240, 142

 210, 240, 142

 203, 240, 118

 216, 240, 166

 196, 240, 94


 223, 240, 190

 189, 240, 70

 233, 240, 214

 179, 240, 46

 240, 240, 238

 172, 240, 22

 240, 246, 255

 166, 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, 204, 158



210, 240, 142



143, 211, 146

Triad

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



210, 240, 142



104, 164, 226



236, 190, 249

Complementary

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



210, 240, 142



142, 170, 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.



194, 201, 255



210, 240, 142



107, 171, 254

Square

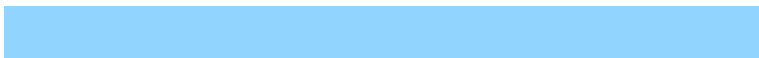
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



210, 240, 142



132, 186, 223



145, 187, 255



255, 183, 219

Rectangle

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



210, 240, 142



154, 216, 187



145, 187, 255



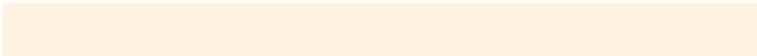
223, 194, 255

Sweetspot

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



210, 240, 142



246, 255, 224



240, 142, 183



124, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

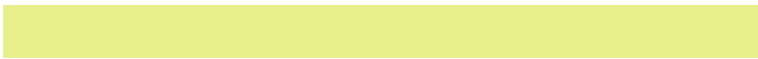
The Same Dimension uses a secret algorithm to generate beautiful new colors.



210, 240, 142



216, 255, 130



142, 240, 150



117, 120, 108



129, 184, 0



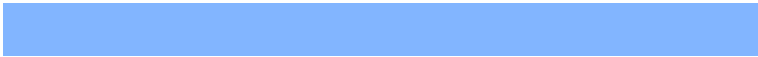
39, 56, 0

Inverse Universe

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



142, 170, 240



130, 166, 255



150, 142, 240



108, 112, 120



0, 53, 184



0, 16, 56

Previews

White Background



This preview shows how the RYB color 210, 240, 142 looks on a white background.

Color Contrast Check

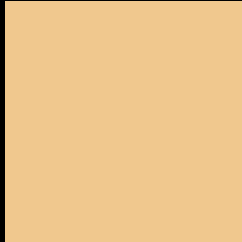
Large Text (above 18pt) WCAG AA × Fail

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 210, 240, 142 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 210, 240, 142 Background



This preview shows how black text looks on a background with the RYB color 210, 240, 142.



This preview shows how white text looks on a background with the RYB color 210, 240, 142.

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
210, 240, 142

Protanopia
167, 223, 145

Deuteranopia
236, 246, 143



Tritanopia
247, 192, 206

Trichromacy



Original Color

210, 240, 142

Protanomaly

179, 229, 144

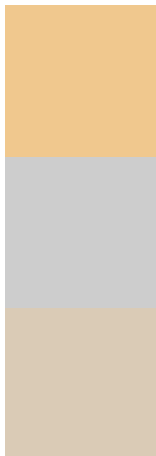
Deuteranomaly

227, 244, 143

Tritanomaly

244, 198, 183

Monochromacy



Original Color

210, 240, 142

Achromatopsia

205, 205, 205

Achromatomaly

208, 218, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 240, 142 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, 200, 142) looks like.

```
.text, #text, p{  
    color:rgb(240, 200, 142)  
}
```

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, 200, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 200, 142) }
```

Border

The CSS property to change the border of an element to RYB 210, 240, 142 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, 200, 142) }
```

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

```
.border{ border-color:rgb(240, 200, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 200, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 200, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 200, 142); box-shadow:4px 4px 4px 4px rgb(240, 200, 142) }
```

Background

The CSS property to change the background color of an element to RGB 210, 240, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 200, 142) }
```

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

```
.background{ background-color: rgb(240,  
200, 142) }
```

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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