

Converting Colors

`RYB(222, 240, 168)`

Have a look what the booklet for
RYB(222, 240, 168) contains.

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Color

R_YB(222, 240, 168)

Conversions

Conversions Part 1

Format	Color
Hex	F0D1A8
RGB	240, 209, 168
RGB Percent	94%, 82%, 66%
CMY	0.0588, 0.1798, 0.3412
CMYK	0.00, 0.13, 0.30, 0.06
HSL	34°, 71%, 80%
HSV	34°, 30%, 94%
XYZ	65.8386, 67.0235, 46.5125
YIQ	213.5950, 31.6370, -6.1790

Conversions

Conversions Part 2

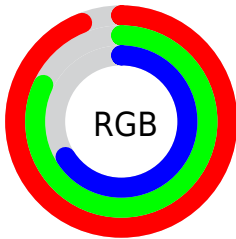
Format	Color
R _Y B	222, 240, 168
Decimal	15782312
CIE Lab	85.52, 4.83, 24.40
CIE LCh	86, 24.875, 78.794
Yxy	67.0235, 0.3670, 0.3737
Android (android.graphics.Color)	4293972392 (0xFFFF0D1A8)
YUV	213.5950, -22.4783, 23.1572
Hunter-Lab	81.8679, 0.2819, 23.6224

Details

The RYB color **222, 240, 168** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **168, 190, 240**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **223, 255, 223**, and **164, 183, 116** is the 20% darker color. If you saturate the color by 10%, you get **216, 240, 144**, and if you desaturate by 10%, it is **229, 240, 192**.

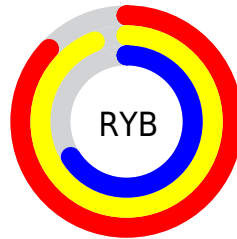
Distribution



Red (94%)

Green (82%)

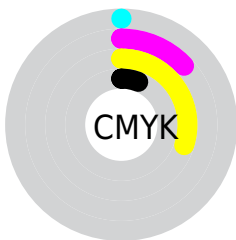
Blue (66%)



Red (87%)

Yellow (94%)

Blue (66%)

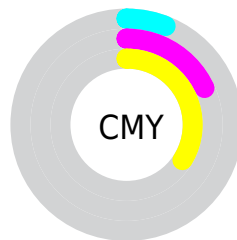


Cyan (0%)

Magenta (13%)

Yellow (30%)

Black (6%)



Cyan (6%)

Magenta (18%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 240, 168 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, 168 by changing the saturation by 10% instead.


 222, 240, 168

255, 255, 255

 223, 255, 223

 252, 255, 252


 222, 240, 168

 191, 211, 141

 164, 183, 116

 137, 156, 91

 109, 129, 67

 82, 103, 44

 57, 78, 23

 29, 54, 0

 30, 30, 0

 0, 0, 0

 222, 240, 168


 222, 240, 168

 216, 240, 144


 229, 240, 192

 209, 240, 120


 233, 240, 216

 205, 240, 96

 240, 240, 240

 198, 240, 72

 240, 246, 255

 191, 240, 48

 240, 248, 255

 187, 240, 24

 180, 240, 0

Harmonies

Analogous

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



255, 212, 179



222, 240, 168



169, 217, 170

Triad

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



222, 240, 168



149, 188, 228



235, 203, 245

Complementary

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



222, 240, 168



168, 190, 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.



206, 211, 255



222, 240, 168



153, 194, 248

Square

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



222, 240, 168



164, 203, 227



175, 203, 255



255, 198, 224

Rectangle

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



222, 240, 168



177, 221, 200



175, 203, 255



226, 205, 250

Sweetspot

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



222, 240, 168



250, 255, 232



240, 168, 199



126, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



222, 240, 168



231, 255, 163



168, 240, 173



117, 120, 108



138, 184, 0



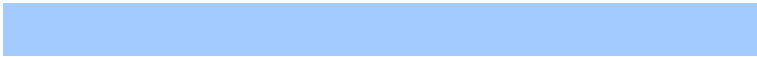
42, 56, 0

Inverse Universe

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



168, 190, 240



163, 191, 255



173, 168, 240



108, 112, 120



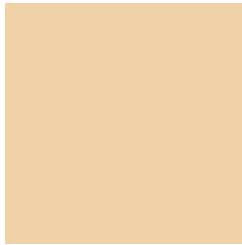
0, 55, 184



0, 17, 56

Previews

White Background



This preview shows how the RYB color 222, 240, 168 looks on a white background.

Color Contrast Check

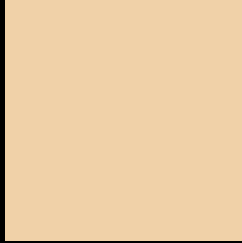
Large Text (above 18pt) WCAG AA × Fail

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, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

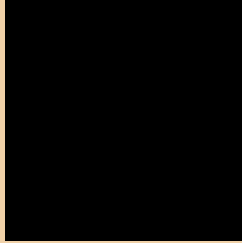
Any Text WCAG AA ✓ Pass

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, 168 Background



This preview shows how black text looks on a background with the RYB color 222, 240, 168.



This preview shows how white text looks on a background with the RYB color 222, 240, 168.

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, 168

Protanopia
189, 227, 170

Deuteranopia
250, 234, 169



Tritanopia
246, 202, 218

Trichromacy



Original Color

222, 240, 168

Protanomaly

198, 232, 169

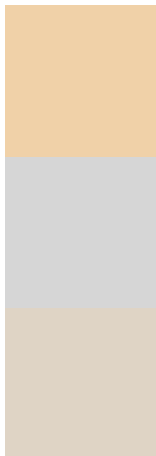
Deuteranomaly

246, 244, 169

Tritanomaly

244, 206, 200

Monochromacy



Original Color

222, 240, 168

Achromatopsia

214, 214, 214

Achromatomaly

216, 223, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 240, 168 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, 209, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 209, 168)  
}
```

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, 209, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 209, 168) }
```

Border

The CSS property to change the border of an element to RYB 222, 240, 168 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, 209, 168) }
```

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

```
.border{ border-color:rgb(240, 209, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 209, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 209, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 209, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 209,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 222, 240, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 209, 168) }
```

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

```
.background{ background-color: rgb(240,  
209, 168) }
```

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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