

Converting Colors

`RYB(221, 242, 222)`

Have a look what the booklet for
RYB(221, 242, 222) contains.

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Color

$\text{RYB}(221, 242, 222)$

Conversions

Conversions Part 1

Format	Color
Hex	F1F2DD
RGB	241, 242, 221
RGB Percent	95%, 95%, 87%
CMY	0.0549, 0.0510, 0.1333
CMYK	0.00, 0.00, 0.09, 0.05
HSL	63°, 45%, 91%
HSV	63°, 9%, 95%
XYZ	81.0789, 87.4255, 81.0081
YIQ	239.3070, 6.1450, -6.7430

Conversions

Conversions Part 2

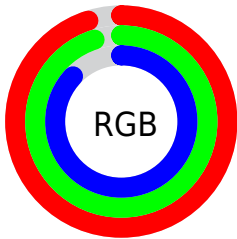
Format	Color
R_{YB}	221, 242, 222
Decimal	15856349
CIE _{Lab}	94.92, -3.90, 10.01
CIE _{LCh}	95, 10.746, 111.275
Yxy	87.4255, 0.3249, 0.3504
Android (android.graphics.Color)	4294046429 (0xFFFF1F2DD)
YUV	239.3070, -9.0254, 1.4848
Hunter-Lab	93.5016, -8.8435, 14.0833

Details

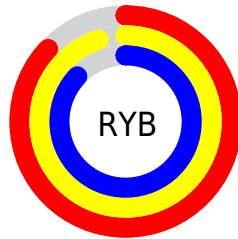
The RYB color **221, 242, 222** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **222, 221, 242**, and the grayscale version is **239, 239, 239**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 186, 167** is the 20% darker color. If you saturate the color by 10%, you get **197, 242, 199**, and if you desaturate by 10%, it is **242, 242, 245**.

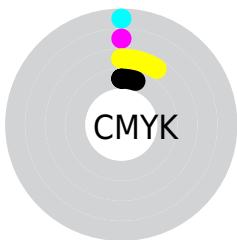
Distribution



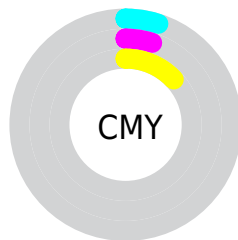
- Red (95%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 242, 222 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 221, 242, 222 by changing the saturation by 10% instead.

■ 221, 242, 222

255, 255, 255

■ 221, 242, 222

■ 193, 214, 194

■ 166, 186, 167

■ 140, 159, 141

■ 114, 133, 115

■ 90, 108, 91

■ 66, 83, 67

■ 44, 60, 45

■ 23, 39, 25

■ 0, 18, 2

 221, 242, 222

 221, 242, 222

 197, 242, 199

 242, 242, 245

 173, 242, 176

 243, 242, 255

 148, 242, 152

 244, 242, 255

 124, 242, 130

 246, 242, 255

 100, 242, 107

 247, 242, 255

 76, 242, 84

 248, 242, 255

 52, 242, 61

 249, 242, 255

 27, 242, 37

 250, 242, 255

 3, 242, 14

 251, 242, 255

Harmonies

Analogous

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



242, 252, 220



221, 242, 222



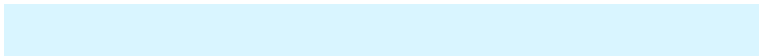
227, 245, 243

Triad

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



221, 242, 222



217, 233, 255



255, 234, 244

Complementary

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



221, 242, 222



222, 221, 242

Split Complementary

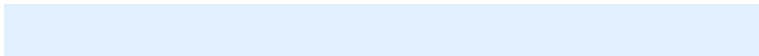
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



251, 236, 253



221, 242, 222



226, 236, 255

Square

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



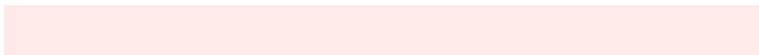
221, 242, 222



215, 231, 247



239, 239, 255



255, 234, 233

Rectangle

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



221, 242, 222



222, 238, 246



239, 239, 255



255, 234, 247

Sweetspot

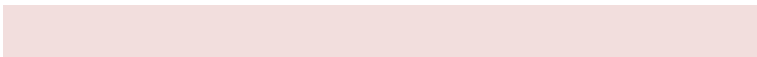
The Sweet Spot groups the original color and five complimentary colors.



221, 242, 222



247, 255, 247



242, 222, 221



122, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



221, 242, 222



230, 255, 231



221, 242, 232



108, 120, 109



0, 184, 9



0, 56, 3

Inverse Universe

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



222, 221, 242



231, 230, 255



232, 221, 242



108, 108, 120



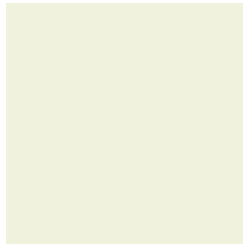
9, 0, 184



3, 0, 56

Previews

White Background



This preview shows how the RYB color 221, 242, 222 looks on a white background.

Color Contrast Check

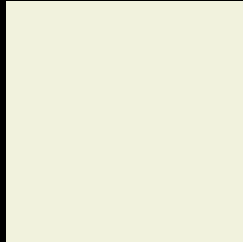
Large Text (above 18pt) WCAG AA × Fail

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 221, 242, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

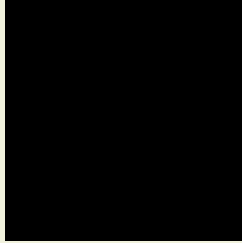
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

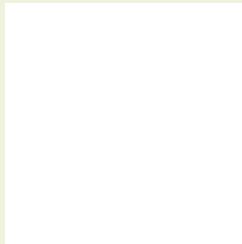
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 221, 242, 222 Background



This preview shows how black text looks on a background with the RYB color 221, 242, 222.

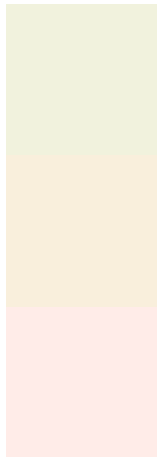


This preview shows how white text looks on a background with the RYB color 221, 242, 222.

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
221, 242, 222

Protanopia
235, 249, 220

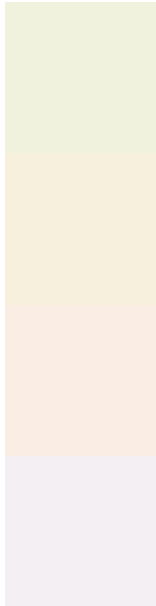
Deuteranopia
255, 237, 232



Tritanopia

246, 237, 255

Trichromacy



Original Color

221, 242, 222

Protanomaly

228, 246, 220

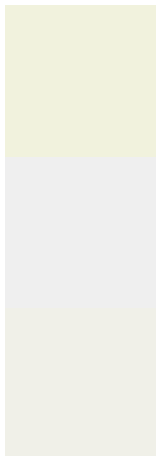
Deuteranomaly

250, 246, 228

Tritanomaly

244, 239, 243

Monochromacy



Original Color

221, 242, 222

Achromatopsia

239, 239, 239

Achromatomaly

232, 240, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 242, 222 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(241, 242, 221)` looks like.

```
.text, #text, p{  
    color:rgb(241, 242, 221)  
}
```

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(241, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 242, 221) }
```

Border

The CSS property to change the border of an element to RYB 221, 242, 222 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(241, 242, 221) }
```

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

```
.border{ border-color:rgb(241, 242, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 242, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(241, 242,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 221, 242, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 242, 221) }
```

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

```
.background{ background-color: rgb(241,  
242, 221) }
```

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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