

# Converting Colors

`RYB(226, 242, 225)`

Have a look what the booklet for  
RYB(226, 242, 225) contains.

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# **Color**

**R<sub>Y</sub>B(226, 242, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F1E1
RGB	242, 241, 225
RGB Percent	95%, 95%, 88%
CMY	0.0510, 0.0547, 0.1176
CMYK	0.00, 0.00, 0.07, 0.05
HSL	57°, 40%, 92%
HSV	57°, 7%, 95%
XYZ	81.6803, 87.2570, 83.7714
YIQ	239.4750, 5.7320, -4.7640

# Conversions

## Conversions Part 2

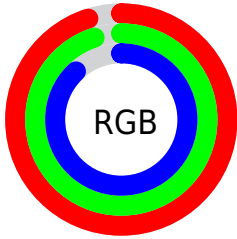
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 242, 225
Decimal	15921633
CIE Lab	94.85, -2.42, 7.85
CIE LCh	95, 8.218, 107.141
Yxy	87.2570, 0.3232, 0.3453
Android (android.graphics.Color)	4294111713 (0xFF2F1E1)
YUV	239.4750, -7.1362, 2.2144
Hunter-Lab	93.4114, -7.3871, 12.2167

# Details

The RYB color **226, 242, 225** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **225, 226, 242**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is 255, 255, 255, and **171, 186, 170** is the 20% darker color. If you saturate the color by 10%, you get **203, 242, 201**, and if you desaturate by 10%, it is **242, 242, 249**.

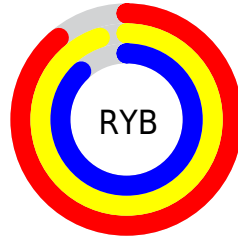
# Distribution



Red (95%)

Green (95%)

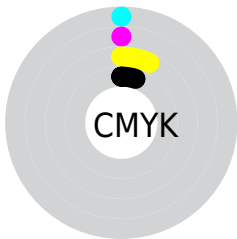
Blue (88%)



Red (89%)

Yellow (95%)

Blue (88%)

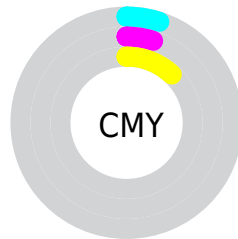


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 226, 242, 225 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 226, 242, 225 by changing the saturation by 10% instead.





 226, 242, 225

255, 255, 255


 226, 242, 225

 198, 214, 197

 171, 186, 170

 144, 159, 143


 119, 133, 118

 93, 107, 93

 69, 83, 69

 47, 60, 47

 26, 38, 26

 1, 18, 0

226, 242, 225

226, 242, 225

203, 242, 201

242, 242, 249

181, 242, 177

242, 244, 255

157, 242, 152

242, 244, 255

134, 242, 128

242, 245, 255

112, 242, 104

242, 246, 255

90, 242, 80

242, 247, 255

67, 242, 56

242, 247, 255

44, 242, 31

242, 248, 255

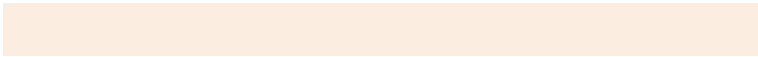
21, 242, 7

242, 248, 255

# Harmonies

## Analogous

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



251, 251, 225



226, 242, 225



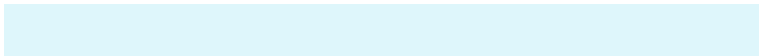
229, 243, 239

# Triad

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



226, 242, 225



222, 235, 251



255, 235, 244

# Complementary

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



226, 242, 225



225, 226, 242

# Split Complementary

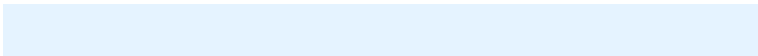
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



247, 237, 251



226, 242, 225



229, 238, 255

# Square

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



226, 242, 225



221, 233, 245



238, 239, 255



255, 235, 236

# Rectangle

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



226, 242, 225



227, 239, 244



238, 239, 255



253, 236, 246



# Sweetspot

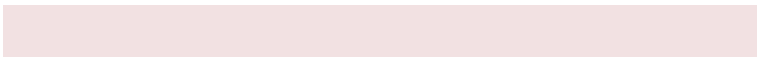
The Sweet Spot groups the original color and five complimentary colors.



226, 242, 225



250, 255, 250



242, 225, 226



127, 128, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



226, 242, 225



236, 255, 235



225, 242, 232



109, 120, 108



12, 184, 0



3, 56, 0



# Inverse Universe

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



225, 226, 242



235, 236, 255



232, 225, 242



108, 109, 120



0, 9, 184

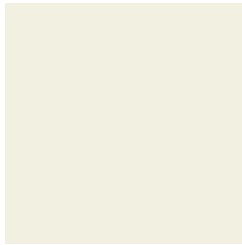


0, 3, 56



# Previews

## White Background



This preview shows how the RYB color 226, 242, 225 looks on a white background.

## Color Contrast Check

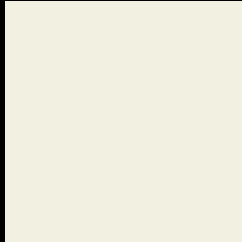
Large Text (above 18pt) WCAG AA × Fail

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 226, 242, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

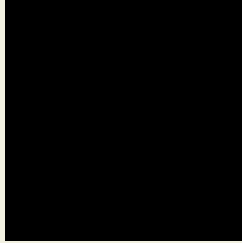
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

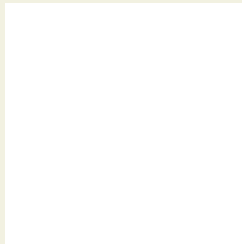
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 226, 242, 225 Background



This preview shows how black text looks on a background with the RYB color 226, 242, 225.

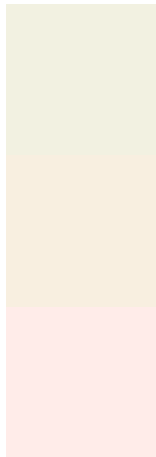


This preview shows how white text looks on a background with the RYB color 226, 242, 225.

# 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**  
226, 242, 225

**Protanopia**  
238, 248, 224

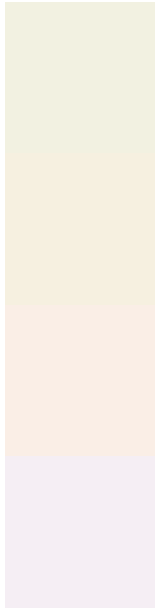
**Deuteranopia**  
255, 236, 233



# Tritanopia

246, 237, 255

# Trichromacy



## Original Color

226, 242, 225

## Protanomaly

232, 246, 224

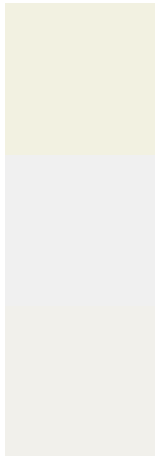
## Deuteranomaly

250, 243, 230

## Tritanomaly

245, 238, 244

# Monochromacy



## Original Color

226, 242, 225

## Achromatopsia

240, 240, 240

## Achromatomaly

236, 241, 235

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 226, 242, 225 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, 241, 225) looks like.

```
.text, #text, p{  
    color:rgb(242, 241, 225)  
}
```

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, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 241, 225) }
```

## Border

The CSS property to change the border of an element to RYB 226, 242, 225 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, 241, 225) }
```

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

```
.border{ border-color:rgb(242, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(242, 241,  
225) }
```

# Background

The CSS property to change the background color of an element to RYB 226, 242, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 241, 225) }
```

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

```
.background{ background-color: rgb(242,  
241, 225) }
```

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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