

# Converting Colors

`RYB(221, 224, 226)`

Have a look what the booklet for  
RYB(221, 224, 226) contains.

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# **Color**

**RYB(221, 224, 226)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDE2E0
RGB	221, 226, 224
RGB Percent	87%, 89%, 88%
CMY	0.1333, 0.1137, 0.1203
CMYK	0.02, 0.00, 0.01, 0.11
HSL	160°, 8%, 88%
HSV	160°, 2%, 89%
XYZ	70.5150, 75.1648, 81.5500
YIQ	224.2770, -2.3380, -1.6820

# Conversions

## Conversions Part 2

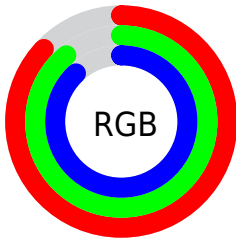
Format	Color
R <sub>Y</sub> B	221, 224, 226
Decimal	14541536
CIE Lab	89.47, -1.97, 0.22
CIE LCh	89, 1.986, 173.749
Yxy	75.1648, 0.3103, 0.3308
Android (android.graphics.Color)	4292731616 (0xFFDDE2E0)
YUV	224.2770, -0.1366, -2.8739
Hunter-Lab	86.6976, -6.5390, 4.9187

# Details

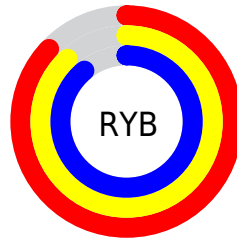
The RYB color **221, 224, 226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **226, 221, 223**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 169, 171** is the 20% darker color. If you saturate the color by 10%, you get **198, 215, 226**, and if you desaturate by 10%, it is **244, 226, 232**.

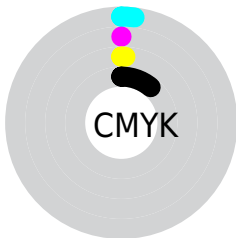
# Distribution



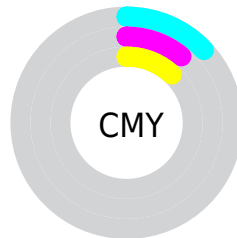
- Red (87%)
- Green (89%)
- Blue (88%)



- Red (87%)
- Yellow (88%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 221, 224, 226 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, 224, 226 by changing the saturation by 10% instead.



■ 221, 224, 226

255, 255, 255

■ 221, 224, 226

■ 193, 196, 198

■ 166, 169, 171

■ 140, 142, 144

■ 114, 117, 119

■ 90, 92, 94

■ 66, 68, 70

■ 44, 46, 48

■ 24, 26, 27

■ 0, 0, 0

 221, 224, 226

 221, 224, 226

 198, 215, 226


 244, 226, 232

 176, 206, 226

 255, 226, 239

 153, 197, 226


 255, 226, 247


 131, 188, 226


 255, 226, 254


 108, 179, 226

 255, 226, 255

 85, 170, 226

 63, 161, 226

 40, 152, 226

 18, 143, 226

# Harmonies

## Analogous

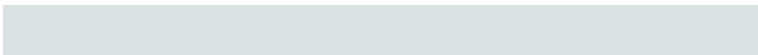
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 226, 226



221, 224, 226



220, 223, 226

# Triad

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



221, 224, 226



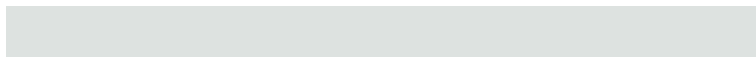
225, 224, 228



229, 225, 222

# Complementary

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



221, 224, 226



226, 221, 223

# 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.



229, 224, 223



221, 224, 226



227, 224, 227

# Square

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



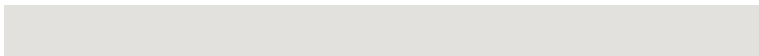
221, 224, 226



223, 225, 229



229, 224, 225



224, 227, 221

# Rectangle

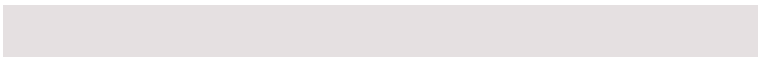
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



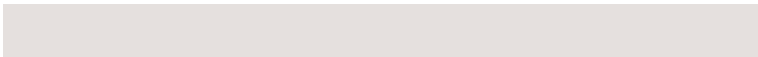
221, 224, 226



221, 224, 227



229, 224, 225



229, 225, 222



# Sweetspot

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



221, 224, 226



252, 254, 255



221, 226, 224



126, 127, 128



0, 0, 0



128, 128, 128



# Same Dimension

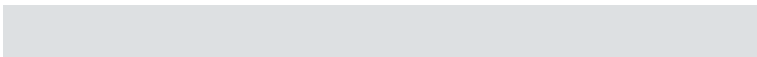
The Same Dimension uses a secret algorithm to generate beautiful new colors.



221, 224, 226



247, 252, 255



221, 223, 226



108, 110, 112



0, 106, 176



0, 29, 48



# Inverse Universe

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



226, 221, 223



255, 247, 250



226, 222, 221



112, 108, 109



176, 0, 59

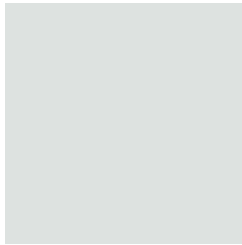


48, 0, 16



# Previews

## White Background



This preview shows how the RYB color 221, 224, 226 looks on a white background.

## Color Contrast Check

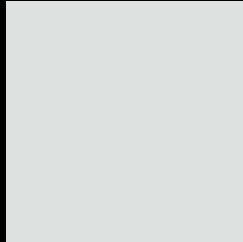
Large Text (above 18pt) WCAG AA × Fail

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, 224, 226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

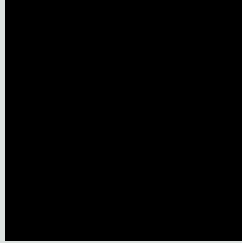
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

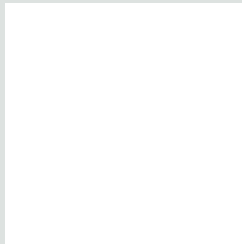
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 221, 224, 226 Background**



This preview shows how black text looks on a background with the RYB color 221, 224, 226.



This preview shows how white text looks on a background with the RYB color 221, 224, 226.

# 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](#).

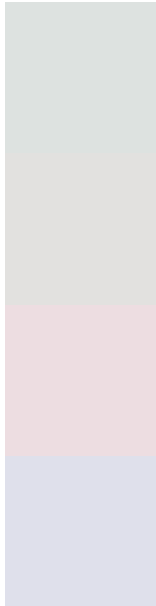
## Dichromacy





**Tritanopia**  
224, 223, 241

# Trichromacy



## Original Color

221, 224, 226

## Protanomaly

225, 226, 223

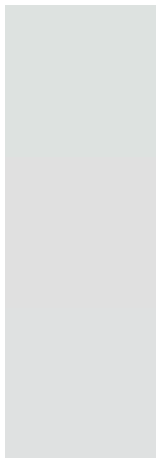
## Deuteranomaly

237, 221, 225

## Tritanomaly

223, 224, 235

# Monochromacy



## Original Color

221, 224, 226

## Achromatopsia

224, 224, 224

## Achromatomaly

223, 224, 225

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 224, 226 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(221, 226, 224) looks like.

```
.text, #text, p{  
    color:rgb(221, 226, 224)  
}
```

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(221, 226, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 226, 224) }
```

## Border

The CSS property to change the border of an element to RYB 221, 224, 226 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(221, 226, 224) }
```

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

```
.border{ border-color:rgb(221, 226, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 226, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 226, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 226, 224);  
box-shadow:4px 4px 4px 4px rgb(221, 226,  
224) }
```

# Background

The CSS property to change the background color of an element to RYB 221, 224, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 226, 224) }
```

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

```
.background{ background-color: rgb(221,  
226, 224) }
```

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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