

# Converting Colors

`RYB(223, 237, 240)`

Have a look what the booklet for  
RYB(223, 237, 240) contains.

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# Color

**R<sub>Y</sub>B(223, 237, 240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFF0E3
RGB	223, 240, 227
RGB Percent	87%, 94%, 89%
CMY	0.1255, 0.0588, 0.1112
CMYK	0.07, 0.00, 0.06, 0.06
HSL	133°, 36%, 91%
HSV	133°, 7%, 94%
XYZ	75.4074, 83.5345, 84.5642
YIQ	233.4350, -5.9590, -7.6470

# Conversions

## Conversions Part 2

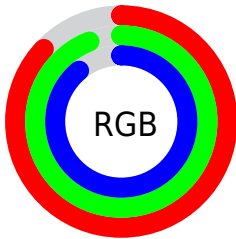
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 237, 240
Decimal	14676195
CIE Lab	93.25, -8.02, 4.52
CIE LCh	93, 9.208, 150.610
Yxy	83.5345, 0.3097, 0.3430
Android (android.graphics.Color)	4292866275 (0xFFDFF0E3)
YUV	233.4350, -3.1725, -9.1515
Hunter-Lab	91.3972, -12.6735, 9.1206

# Details

The RYB color **223, 237, 240** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **240, 223, 236**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **168, 181, 184** is the 20% darker color. If you saturate the color by 10%, you get **199, 233, 240**, and if you desaturate by 10%, it is **247, 240, 245**.

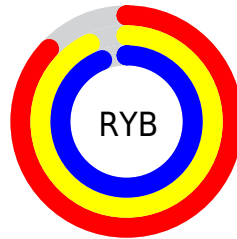
# Distribution



Red (87%)

Green (94%)

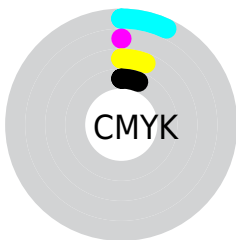
Blue (89%)



Red (87%)

Yellow (93%)

Blue (94%)

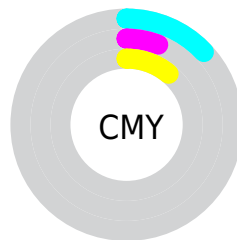


Cyan (7%)

Magenta (0%)

Yellow (6%)

Black (6%)



Cyan (13%)

Magenta (6%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 223, 237, 240 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 223, 237, 240 by changing the saturation by 10% instead.



■ 223, 237, 240

255, 255, 255

■ 223, 237, 240

■ 195, 209, 212

■ 168, 181, 184

■ 141, 154, 157

■ 116, 129, 131

■ 91, 104, 106

■ 68, 80, 82

■ 45, 57, 59

■ 24, 34, 37

■ 0, 16, 16

 223, 237, 240

 223, 237, 240

 199, 233, 240

 247, 240, 245

 175, 228, 240

 255, 240, 255

 151, 224, 240

 127, 220, 240

 103, 216, 240

 79, 212, 240

 55, 207, 240

 31, 203, 240

 7, 199, 240

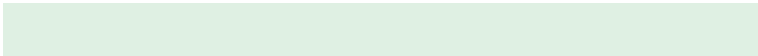
# Harmonies

## Analogous

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



220, 238, 225



223, 237, 240



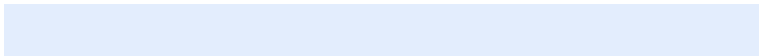
216, 230, 241

# Triad

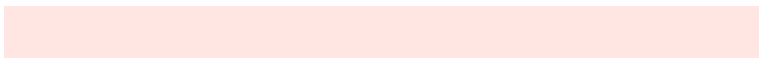
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



223, 237, 240



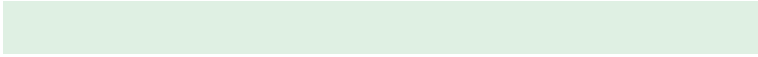
227, 234, 253



255, 230, 227

# Complementary

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



223, 237, 240



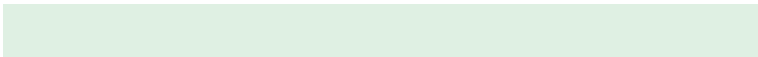
240, 223, 236

# 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.



254, 230, 236



223, 237, 240



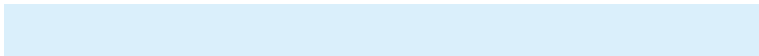
238, 233, 251

# Square

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



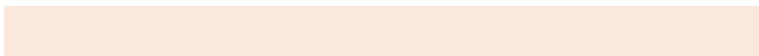
223, 237, 240



218, 231, 251



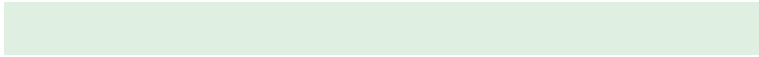
248, 231, 244



251, 240, 220

# Rectangle

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



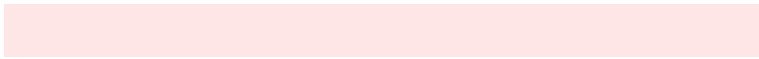
223, 237, 240



214, 228, 241



248, 231, 244



255, 230, 230



# Sweetspot

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



223, 237, 240



250, 254, 255



223, 240, 226



125, 128, 128



0, 0, 0

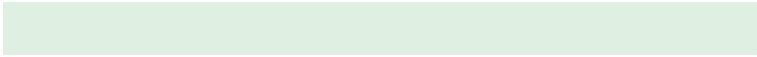


128, 128, 128



# Same Dimension

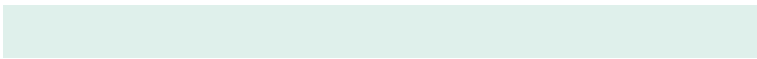
The Same Dimension uses a secret algorithm to generate beautiful new colors.



223, 237, 240



232, 251, 255



223, 233, 240



108, 118, 120



0, 152, 184



0, 46, 56



# Inverse Universe

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



240, 223, 236



255, 232, 250



240, 223, 228



120, 108, 117



184, 0, 144

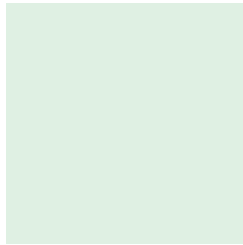


56, 0, 44



# Previews

## White Background



This preview shows how the RYB color 223, 237, 240 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 223, 237, 240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

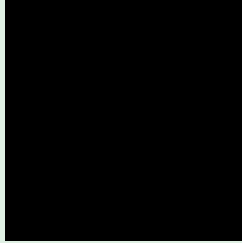
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

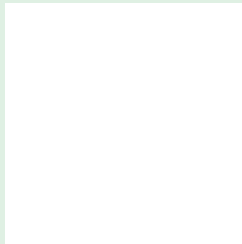
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 223, 237, 240 Background



This preview shows how black text looks on a background with the R Y B color 223, 237, 240.

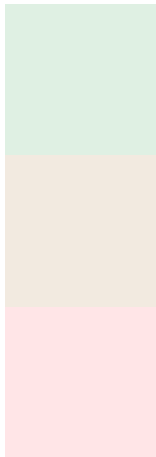


This preview shows how white text looks on a background with the R Y B color 223, 237, 240.

# 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**  
223, 237, 240

**Protanopia**  
238, 242, 224

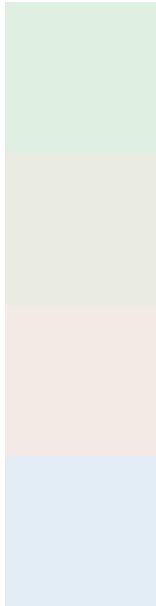
**Deuteranopia**  
255, 229, 231



# Tritanopia

227, 234, 255

# Trichromacy



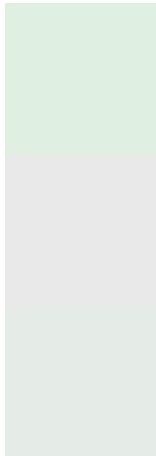
**Original Color**  
223, 237, 240

**Protanomaly**  
225, 236, 226

**Deuteranomaly**  
243, 235, 229

**Tritanomaly**  
226, 233, 245

# Monochromacy



**Original Color**  
223, 237, 240

**Achromatopsia**  
233, 233, 233

**Achromatomaly**  
229, 234, 236

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 223, 237, 240 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(223, 240, 227)` looks like.

```
.text, #text, p{  
    color:rgb(223, 240, 227)  
}
```

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(223, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 240, 227) }
```

## Border

The CSS property to change the border of an element to RYB 223, 237, 240 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(223, 240, 227) }
```

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

```
.border{ border-color:rgb(223, 240, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(223, 240,  
227) }
```

# Background

The CSS property to change the background color of an element to RGB 223, 237, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 240, 227) }
```

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

```
.background{ background-color: rgb(223,  
240, 227) }
```

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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