

Converting Colors

`RYB(227, 232, 242)`

Have a look what the booklet for RYB(227, 232, 242) contains.

RYB(227, 232, 242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(227, 232, 242)

Conversions

Conversions Part 1

Format	Color
Hex	E3EBF2
RGB	227, 235, 242
RGB Percent	89%, 92%, 95%
CMY	0.1098, 0.0804, 0.0510
CMYK	0.06, 0.03, 0.00, 0.05
HSL	210°, 37%, 92%
HSV	210°, 6%, 95%
XYZ	77.2709, 81.8724, 95.7347
YIQ	233.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

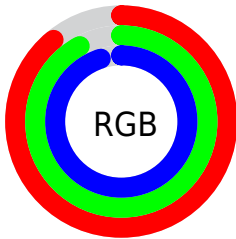
Format	Color
R_{YB}	227, 232, 242
Decimal	14937074
CIE Lab	92.52, -1.10, -4.50
CIE LCh	93, 4.633, 256.299
Yxy	81.8724, 0.3032, 0.3212
Android (android.graphics.Color)	4293127154 (0xFFE3EBF2)
YUV	233.4060, 4.2368, -5.6181
Hunter-Lab	90.4834, -5.9106, 0.6074

Details

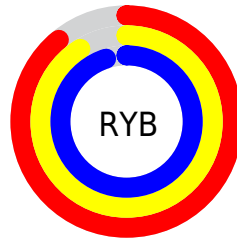
The RYB color **227, 232, 242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **240, 242, 227**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 177, 186** is the 20% darker color. If you saturate the color by 10%, you get **203, 216, 242**, and if you desaturate by 10%, it is **249, 251, 242**.

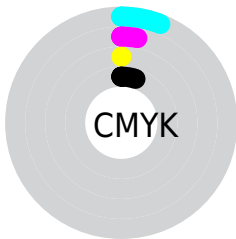
Distribution



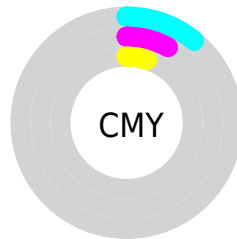
- Red (89%)
- Green (92%)
- Blue (95%)



- Red (89%)
- Yellow (91%)
- Blue (95%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 232, 242 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 227, 232, 242 by changing the saturation by 10% instead.

■ 227, 232, 242

255, 255, 255

■ 227, 232, 242

■ 199, 204, 214

■ 172, 177, 186

■ 145, 150, 159

■ 119, 124, 133

■ 95, 99, 108

■ 71, 75, 83

■ 48, 52, 60

■ 27, 31, 39

■ 1, 7, 18

■ 227, 232, 242

■ 227, 232, 242

■ 203, 216, 242

■ 249, 251, 242

■ 179, 200, 242

■ 242, 255, 242

■ 154, 183, 242

■ 130, 167, 242

■ 106, 151, 242

■ 82, 135, 242

■ 58, 119, 242

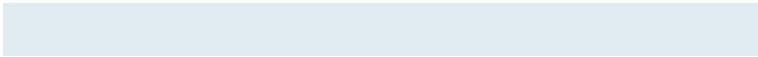
■ 33, 103, 242

■ 9, 87, 242

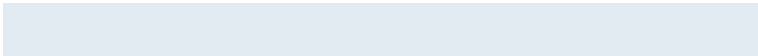
Harmonies

Analogous

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



224, 231, 240



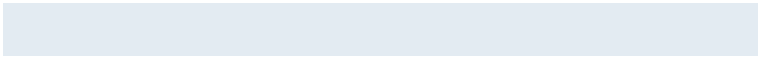
227, 232, 242



232, 233, 242

Triad

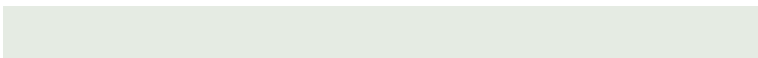
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 232, 242



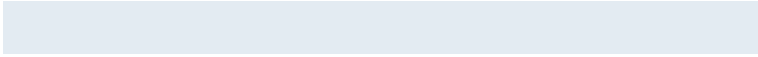
244, 231, 231



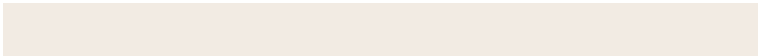
227, 235, 233

Complementary

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



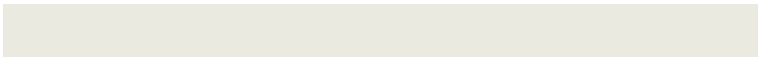
227, 232, 242



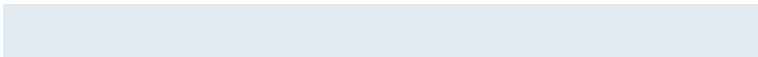
240, 242, 227

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.



226, 235, 225



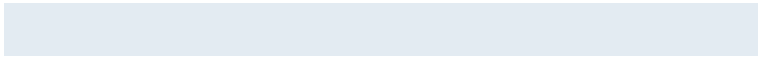
227, 232, 242



243, 232, 227

Square

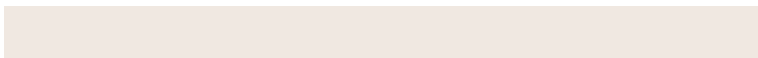
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



227, 232, 242



242, 231, 236



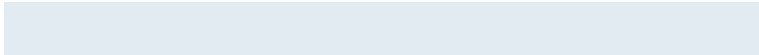
240, 238, 225



225, 232, 236

Rectangle

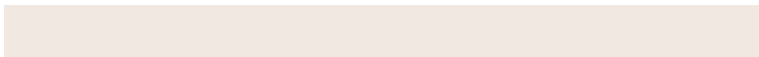
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



227, 232, 242



236, 232, 241



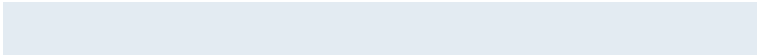
240, 238, 225



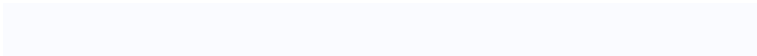
226, 235, 230

Sweetspot

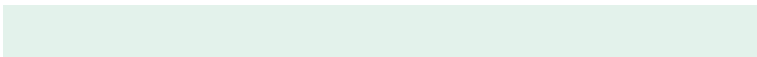
The Sweet Spot groups the original color and five complimentary colors.



227, 232, 242



250, 251, 255



227, 237, 242



125, 126, 128



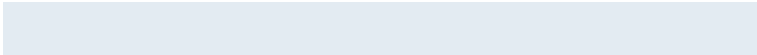
0, 0, 0



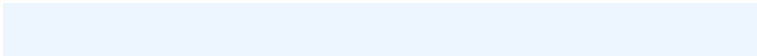
128, 128, 128

Same Dimension

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



227, 232, 242



237, 243, 255



227, 227, 242



110, 113, 120



0, 61, 184



0, 19, 56

Inverse Universe

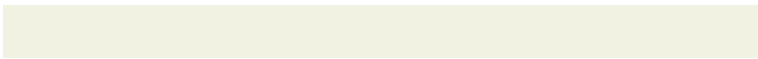
The Inverse Universe completely reimagines the original color for something new.



242, 227, 235



255, 237, 246



227, 242, 227



120, 110, 115



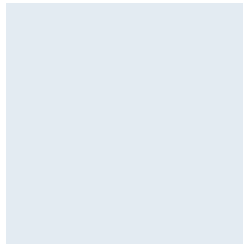
184, 0, 92



56, 0, 28

Previews

White Background



This preview shows how the RYB color 227, 232, 242 looks on a white background.

Color Contrast Check

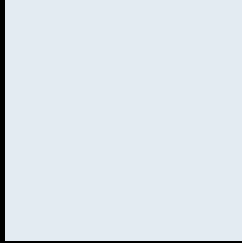
Large Text (above 18pt) WCAG AA × Fail

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 227, 232, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

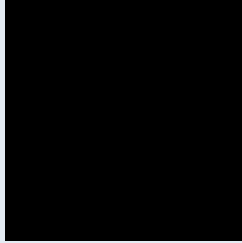
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

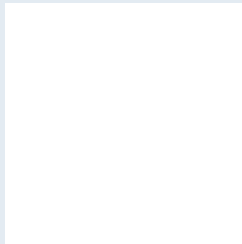
Any Text WCAG AAA ✓ Pass

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

RYB 227, 232, 242 Background



This preview shows how black text looks on a background with the RYB color 227, 232, 242.



This preview shows how white text looks on a background with the RYB color 227, 232, 242.

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](#).

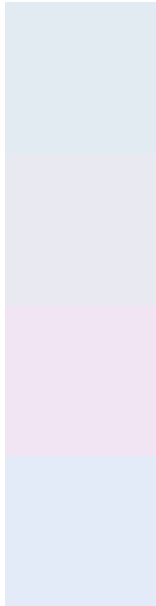
Dichromacy





Tritanopia
229, 232, 251

Trichromacy



Original Color

227, 232, 242

Protanomaly

232, 233, 241

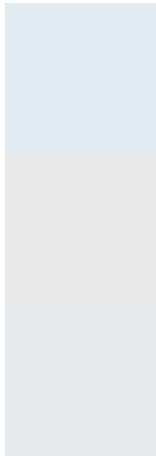
Deuteranomaly

242, 229, 243

Tritanomaly

228, 233, 248

Monochromacy



Original Color

227, 232, 242

Achromatopsia

233, 233, 233

Achromatomaly

231, 233, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 232, 242 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(227, 235, 242) looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 242)  
}
```

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(227, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 242) }
```

Border

The CSS property to change the border of an element to RYB 227, 232, 242 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(227, 235, 242) }
```

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

```
.border{ border-color:rgb(227, 235, 242) }
```

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

Here you see how a box with a 4 pixel rgb(227, 235, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 227, 232, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 242) }
```

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

```
.background{ background-color: rgb(227,  
235, 242) }
```

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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