

Converting Colors

`RYB(224, 242, 240)`

Have a look what the booklet for
RYB(224, 242, 240) contains.

RYB(224, 242, 240)	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(224, 242, 240)

Conversions

Conversions Part 1

Format	Color
Hex	E2F2E0
RGB	226, 242, 224
RGB Percent	89%, 95%, 88%
CMY	0.1137, 0.0510, 0.1216
CMYK	0.07, 0.00, 0.07, 0.05
HSL	113°, 41%, 91%
HSV	113°, 7%, 95%
XYZ	76.5707, 85.0548, 82.9025
YIQ	235.1640, -3.7580, -8.9900

Conversions

Conversions Part 2

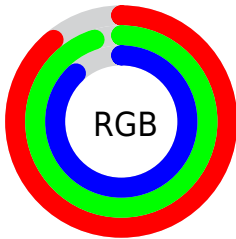
Format	Color
R_{YB}	224, 242, 240
Decimal	14873312
CIE _{Lab}	93.91, -8.49, 6.87
CIE _{LCh}	94, 10.923, 141.049
Yxy	85.0548, 0.3131, 0.3478
Android (android.graphics.Color)	4293063392 (0xFFE2F2E0)
YUV	235.1640, -5.5039, -8.0368
Hunter-Lab	92.2252, -13.1930, 11.2610

Details

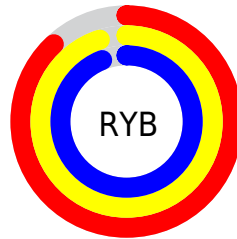
The RYB color **224, 242, 240** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **240, 224, 242**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is 255, 255, 255, and **169, 186, 184** is the 20% darker color. If you saturate the color by 10%, you get **200, 242, 238**, and if you desaturate by 10%, it is **248, 242, 248**.

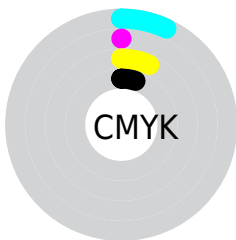
Distribution



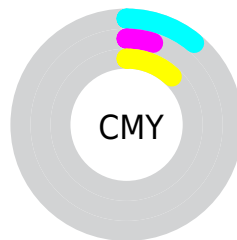
- Red (89%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 242, 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 224, 242, 240 by changing the saturation by 10% instead.

■ 224, 242, 240

255, 255, 255

■ 224, 242, 240

■ 196, 214, 212

■ 169, 186, 184

■ 142, 159, 157

■ 117, 133, 132

■ 92, 108, 106

■ 69, 83, 82

■ 46, 60, 58

■ 26, 38, 38

■ 0, 18, 18

 224, 242, 240


 224, 242, 240

 200, 242, 238

 248, 242, 248

 176, 242, 235

 255, 242, 255

 151, 242, 232

 127, 242, 229

 103, 242, 227

 79, 242, 224

 55, 242, 222

 30, 242, 218

 6, 242, 216

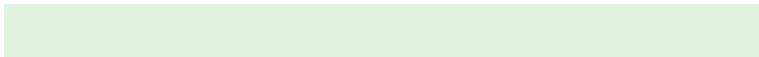
Harmonies

Analogous

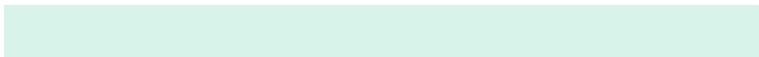
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218, 239, 219



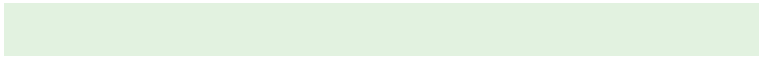
224, 242, 240



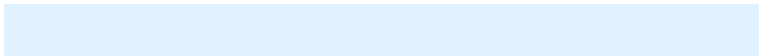
216, 233, 244

Triad

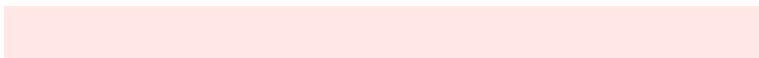
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



224, 242, 240



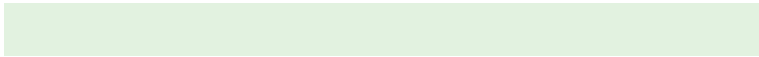
223, 234, 255



255, 231, 230

Complementary

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



224, 242, 240



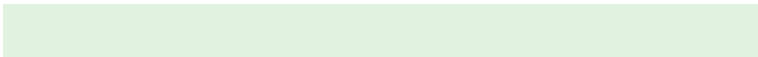
240, 224, 242

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.



255, 231, 241



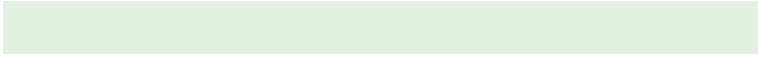
224, 242, 240



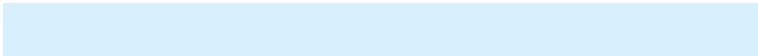
236, 236, 255

Square

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



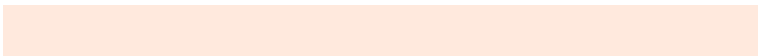
224, 242, 240



214, 230, 253



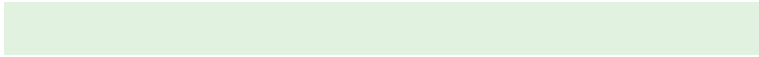
248, 233, 251



255, 240, 221

Rectangle

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



224, 242, 240



212, 229, 244



248, 233, 251



255, 230, 234

Sweetspot

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



224, 242, 240



250, 255, 255



226, 242, 224



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



224, 242, 240



232, 255, 252



224, 237, 242



108, 120, 119



0, 184, 164



0, 56, 50

Inverse Universe

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



240, 224, 242



252, 232, 255



242, 224, 235



119, 108, 120



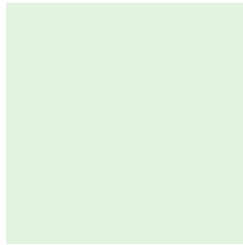
163, 0, 184



50, 0, 56

Previews

White Background



This preview shows how the RYB color 224, 242, 240 looks on a white background.

Color Contrast Check

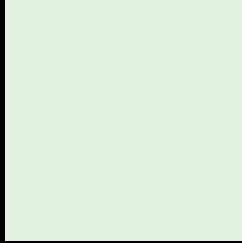
Large Text (above 18pt) WCAG AA × Fail

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 224, 242, 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

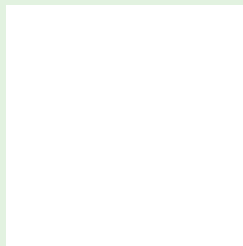
Any Text WCAG AAA ✓ Pass

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

R Y B 224, 242, 240 Background



This preview shows how black text looks on a background with the R Y B color 224, 242, 240.

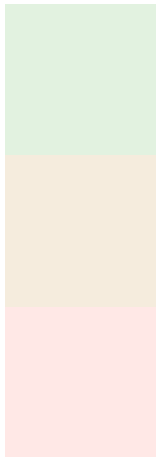


This preview shows how white text looks on a background with the R Y B color 224, 242, 240.

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
224, 242, 240

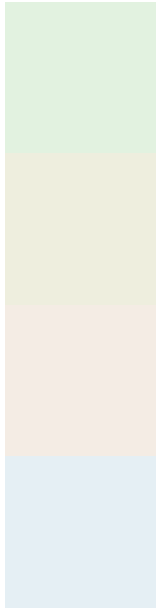
Protanopia
235, 245, 221

Deuteranopia
255, 232, 230



Tritanopia
231, 236, 255

Trichromacy



Original Color

224, 242, 240

Protanomaly

222, 238, 222

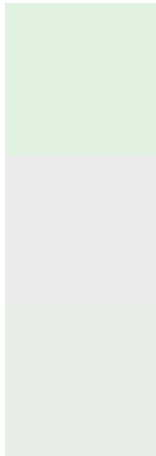
Deuteranomaly

244, 244, 228

Tritanomaly

229, 235, 244

Monochromacy



Original Color

224, 242, 240

Achromatopsia

235, 235, 235

Achromatomaly

231, 238, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 242, 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(226, 242, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 242, 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(226, 242, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 242, 224) }
```

Border

The CSS property to change the border of an element to RYB 224, 242, 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(226, 242, 224) }
```

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

```
.border{ border-color:rgb(226, 242, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 242, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 242,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 224, 242, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 242, 224) }
```

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

```
.background{ background-color: rgb(226,  
242, 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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