

Converting Colors

`RYB(216, 243, 235)`

Have a look what the booklet for
RYB(216, 243, 235) contains.

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Color

R_YB(216, 243, 235)

Conversions

Conversions Part 1

Format	Color
Hex	E0F3D8
RGB	224, 243, 216
RGB Percent	88%, 95%, 85%
CMY	0.1216, 0.0471, 0.1529
CMYK	0.08, 0.00, 0.11, 0.05
HSL	102°, 53%, 90%
HSV	102°, 11%, 95%
XYZ	75.1857, 84.9063, 77.3916
YIQ	234.2410, -2.6570, -12.4250

Conversions

Conversions Part 2

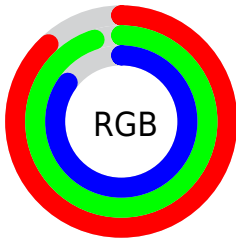
Format	Color
R_{YB}	216, 243, 235
Decimal	14742488
CIE _{Lab}	93.84, -11.04, 10.90
CIE _{LCh}	94, 15.513, 135.378
Yxy	84.9063, 0.3166, 0.3575
Android (android.graphics.Color)	4292932568 (0xFFE0F3D8)
YUV	234.2410, -8.9928, -8.9814
Hunter-Lab	92.1446, -15.6054, 14.7040

Details

The RYB color **216, 243, 235** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **235, 216, 243**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 187, 179** is the 20% darker color. If you saturate the color by 10%, you get **192, 243, 228**, and if you desaturate by 10%, it is **240, 243, 242**.

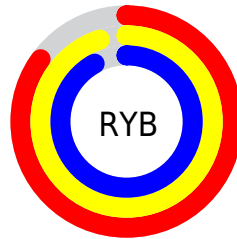
Distribution



Red (88%)

Green (95%)

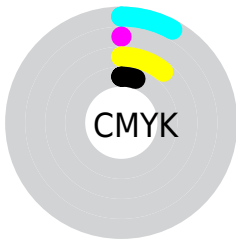
Blue (85%)



Red (85%)

Yellow (95%)

Blue (92%)

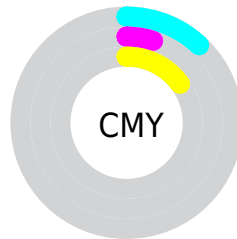


Cyan (8%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (12%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 243, 235 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 216, 243, 235 by changing the saturation by 10% instead.

■ 216, 243, 235

255, 255, 255

■ 216, 243, 235

■ 188, 215, 207

■ 161, 187, 179

■ 135, 160, 153

■ 110, 134, 127

■ 85, 108, 101

■ 62, 84, 78

■ 40, 61, 55


■ 20, 39, 35

■ 0, 19, 19

 216, 243, 235

 216, 243, 235

 192, 243, 228

 240, 243, 242

 167, 243, 220

 255, 243, 255

 143, 243, 213

 119, 243, 206

 95, 243, 200

 70, 243, 192

 46, 243, 185

 22, 243, 178

 0, 243, 171

Harmonies

Analogous

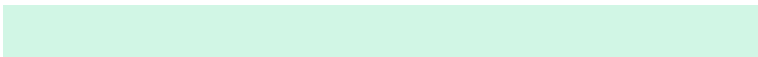
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



210, 241, 208



216, 243, 235



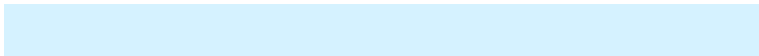
209, 233, 246

Triad

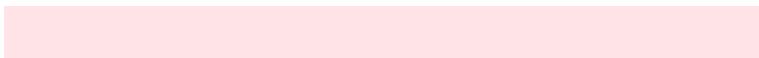
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



216, 243, 235



213, 230, 255



255, 227, 230

Complementary

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



216, 243, 235



235, 216, 243

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, 228, 245



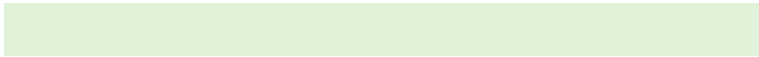
216, 243, 235



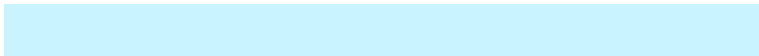
231, 235, 255

Square

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



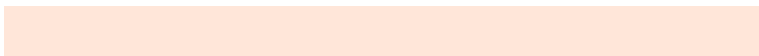
216, 243, 235



201, 225, 255



250, 231, 255



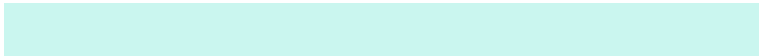
255, 237, 217

Rectangle

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



216, 243, 235



202, 226, 246



250, 231, 255



255, 227, 235

Sweetspot

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



216, 243, 235



247, 255, 252



227, 243, 216



122, 128, 126



0, 0, 0



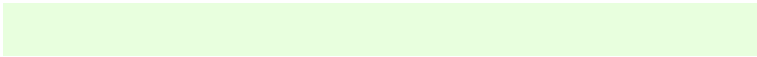
128, 128, 128

Same Dimension

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



216, 243, 235



222, 255, 245



216, 239, 243



110, 122, 118



0, 186, 131



0, 59, 42

Inverse Universe

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



235, 216, 243



245, 222, 255



243, 216, 238



119, 110, 122



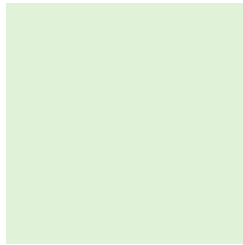
131, 0, 186



41, 0, 59

Previews

White Background



This preview shows how the RYB color 216, 243, 235 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 216, 243, 235 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

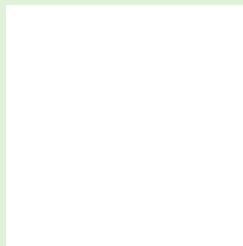
Any Text WCAG AAA ✓ Pass

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

RYB 216, 243, 235 Background



This preview shows how black text looks on a background with the RYB color 216, 243, 235.



This preview shows how white text looks on a background with the RYB color 216, 243, 235.

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

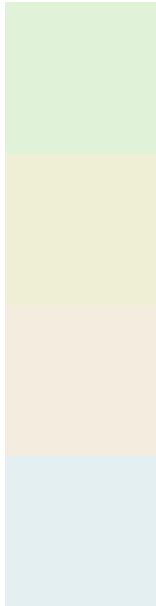




Tritanopia

231, 236, 255

Trichromacy



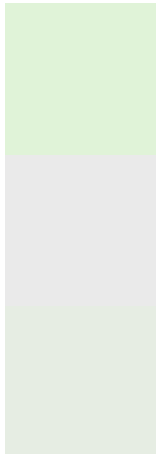
Original Color
216, 243, 235

Protanomaly
213, 239, 213

Deuteranomaly
236, 244, 223

Tritanomaly
228, 234, 241

Monochromacy



Original Color
216, 243, 235

Achromatopsia
234, 234, 234

Achromatomaly
227, 237, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 243, 235 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(224, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(224, 243, 216)  
}
```

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(224, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 243, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 243, 235 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(224, 243, 216) }
```

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

```
.border{ border-color:rgb(224, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(224, 243,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 216, 243, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 243, 216) }
```

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

```
.background{ background-color: rgb(224,  
243, 216) }
```

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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