

Converting Colors

`RYB(218, 251, 232)`

Have a look what the booklet for
RYB(218, 251, 232) contains.

RYB(218, 251, 232)	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(218, 251, 232)

Conversions

Conversions Part 1

Format	Color
Hex	EDFBDA
RGB	237, 251, 218
RGB Percent	93%, 98%, 85%
CMY	0.0706, 0.0157, 0.1451
CMYK	0.06, 0.00, 0.13, 0.02
HSL	85°, 80%, 92%
HSV	85°, 13%, 98%
XYZ	82.0771, 92.0608, 79.7733
YIQ	243.0520, 2.2490, -13.2310

Conversions

Conversions Part 2

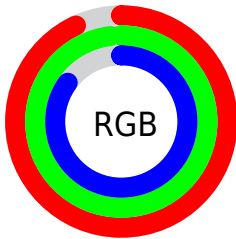
Format	Color
R _Y B	218, 251, 232
Decimal	15596506
CIE Lab	96.85, -10.27, 14.26
CIE LCh	97, 17.571, 125.748
Yxy	92.0608, 0.3233, 0.3626
Android (android.graphics.Color)	4293786586 (0xFFEDFBDA)
YUV	243.0520, -12.3506, -5.3076
Hunter-Lab	95.9483, -15.2153, 17.8690

Details

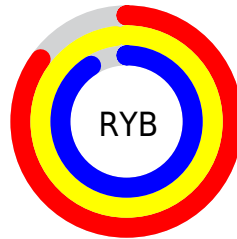
The RYB color **218, 251, 232** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **232, 218, 251**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is **255, 255, 255**, and **163, 194, 176** is the 20% darker color. If you saturate the color by 10%, you get **193, 251, 218**, and if you desaturate by 10%, it is **243, 251, 246**.

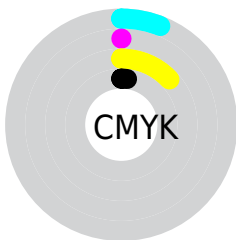
Distribution



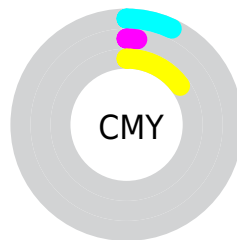
- Red (93%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 251, 232 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 218, 251, 232 by changing the saturation by 10% instead.

218, 251, 232

255, 255, 255

218, 251, 232

190, 222, 203

163, 194, 176

137, 167, 150

111, 141, 124

87, 115, 99

63, 91, 75

41, 67, 52

21, 45, 32

0, 25, 13

■ 218, 251, 232

■ 218, 251, 232

■ 193, 251, 218

■ 243, 251, 246

■ 168, 251, 203

■ 255, 251, 255

■ 143, 251, 189

■ 118, 251, 175

■ 93, 251, 160

■ 67, 251, 145

■ 42, 251, 131

■ 17, 251, 116

■ 0, 251, 106

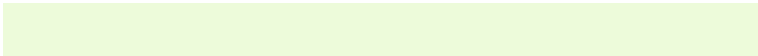
Harmonies

Analogous

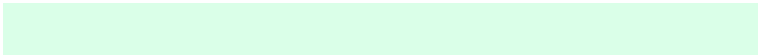
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 255, 212



218, 251, 232



218, 245, 255

Triad

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



218, 251, 232



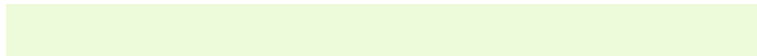
213, 233, 255



255, 234, 243

Complementary

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



218, 251, 232



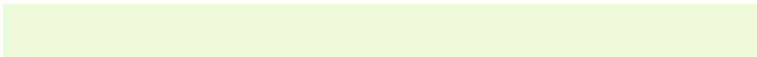
232, 218, 251

Split Complementary

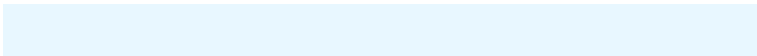
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 236, 255



218, 251, 232



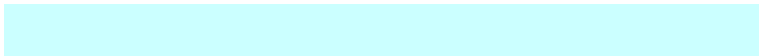
232, 241, 255

Square

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



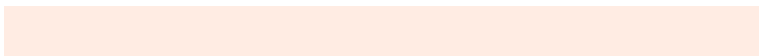
218, 251, 232



203, 229, 255



253, 241, 255



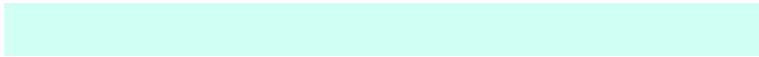
255, 240, 227

Rectangle

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



218, 251, 232



209, 235, 255



253, 241, 255



255, 234, 249

Sweetspot

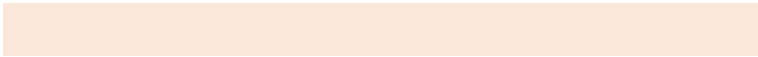
The Sweet Spot groups the original color and five complimentary colors.



218, 251, 232



245, 255, 249



251, 242, 218



121, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

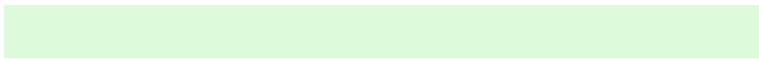
The Same Dimension uses a secret algorithm to generate beautiful new colors.



218, 251, 232



214, 255, 231



218, 251, 248



112, 125, 117



0, 189, 80



0, 61, 26

Inverse Universe

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



232, 218, 251



232, 214, 255



248, 218, 251



118, 112, 125



80, 0, 189



26, 0, 61

Previews

White Background



This preview shows how the RYB color 218, 251, 232 looks on a white background.

Color Contrast Check

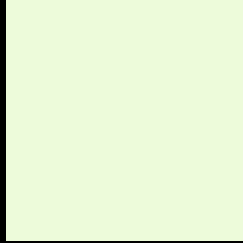
Large Text (above 18pt) WCAG AA × Fail

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 218, 251, 232 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

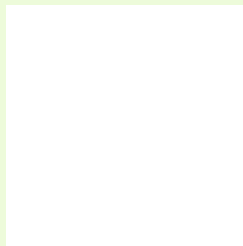
Any Text WCAG AAA ✓ Pass

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

RYB 218, 251, 232 Background



This preview shows how black text looks on a background with the RYB color 218, 251, 232.

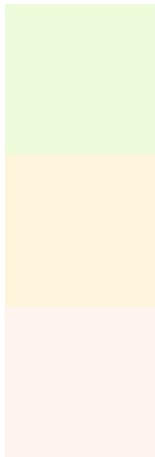


This preview shows how white text looks on a background with the RYB color 218, 251, 232.

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
218, 251, 232

Protanopia
235, 255, 221

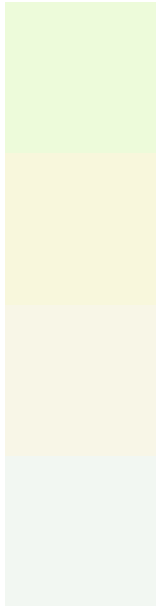
Deuteranopia
255, 244, 239



Tritanopia

245, 245, 255

Trichromacy



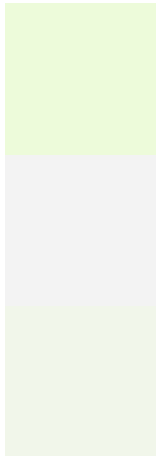
Original Color
218, 251, 232

Protanomaly
221, 248, 220

Deuteranomaly
233, 248, 231

Tritanomaly
242, 247, 247

Monochromacy



Original Color
218, 251, 232

Achromatopsia
243, 243, 243

Achromatomaly
234, 246, 239

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 251, 232 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(237, 251, 218)` looks like.

```
.text, #text, p{  
    color:rgb(237, 251, 218)  
}
```

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(237, 251, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 251, 218) }
```

Border

The CSS property to change the border of an element to RYB 218, 251, 232 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(237, 251, 218) }
```

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

```
.border{ border-color:rgb(237, 251, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 251, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 251, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 251, 218);  
box-shadow:4px 4px 4px 4px rgb(237, 251,  
218) }
```

Background

The CSS property to change the background color of an element to RYB 218, 251, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 251, 218) }
```

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

```
.background{ background-color: rgb(237,  
251, 218) }
```

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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