

Converting Colors

`RYB(230, 255, 238)`

Have a look what the booklet for
RYB(230, 255, 238) contains.

RYB(230, 255, 238)	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(230, 255, 238)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE6
RGB	247, 255, 230
RGB Percent	97%, 100%, 90%
CMY	0.0314, 0.0000, 0.0980
CMYK	0.03, 0.00, 0.10, 0.00
HSL	79°, 100%, 95%
HSV	79°, 10%, 100%
XYZ	88.4007, 97.0073, 88.9280
YIQ	249.7580, 3.2570, -9.4710

Conversions

Conversions Part 2

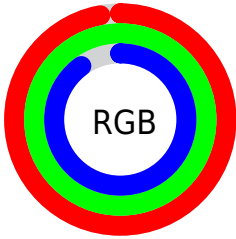
Format	Color
R_{YB}	230, 255, 238
Decimal	16252902
CIE _{Lab}	98.83, -6.90, 11.04
CIE _{LCh}	99, 13.015, 122.010
Yxy	97.0073, 0.3222, 0.3536
Android (android.graphics.Color)	4294442982 (0xFFFF7FFE6)
YUV	249.7580, -9.7407, -2.4188
Hunter-Lab	98.4923, -12.1508, 15.4121

Details

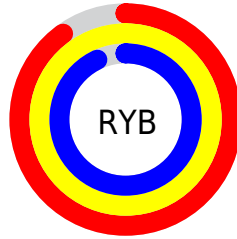
The RYB color **230, 255, 238** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **238, 230, 255**, and the grayscale version is **250, 250, 250**.

A 20% lighter version of the original color is **255, 255, 255**, and **174, 198, 181** is the 20% darker color. If you saturate the color by 10%, you get **205, 255, 221**, and if you desaturate by 10%, it is **255, 255, 255**.

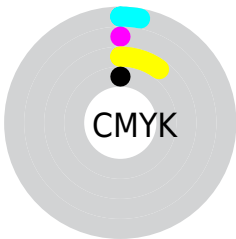
Distribution



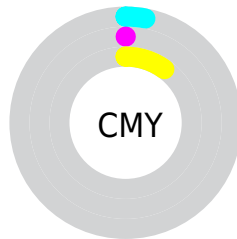
- Red (97%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 255, 238 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 230, 255, 238 by changing the saturation by 10% instead.


 230, 255, 238

255, 255, 255


 230, 255, 238

 202, 226, 210


 174, 198, 181

 148, 171, 156

 122, 145, 130

 97, 119, 104

 73, 94, 80

 51, 71, 58

 30, 48, 36

 5, 27, 10

230, 255, 238

230, 255, 238

205, 255, 221

255, 255, 255

179, 255, 203

154, 255, 186

128, 255, 169

103, 255, 152

77, 255, 134

52, 255, 117

26, 255, 99

1, 255, 82

Harmonies

Analogous

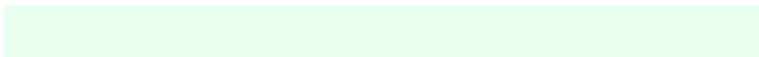
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 255, 226



230, 255, 238



233, 250, 255

Triad

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



230, 255, 238



226, 241, 255



255, 243, 251

Complementary

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



230, 255, 238



238, 230, 255

Split Complementary

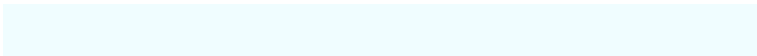
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 245, 255



230, 255, 238



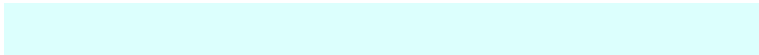
240, 247, 255

Square

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



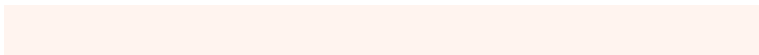
230, 255, 238



220, 238, 255



255, 248, 255



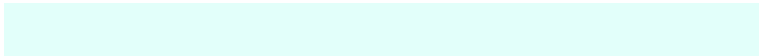
255, 246, 239

Rectangle

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



230, 255, 238



226, 242, 255



255, 248, 255



255, 243, 255

Sweetspot

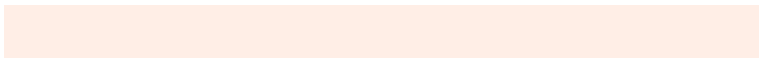
The Sweet Spot groups the original color and five complimentary colors.



230, 255, 238



247, 255, 249



255, 242, 230



122, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

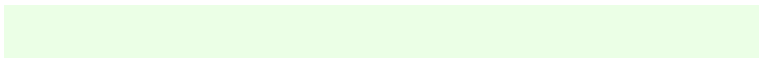
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230, 255, 238



224, 255, 234



230, 255, 250



115, 128, 120



0, 191, 61



0, 64, 21

Inverse Universe

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



238, 230, 255



234, 224, 255



250, 230, 255



119, 115, 128



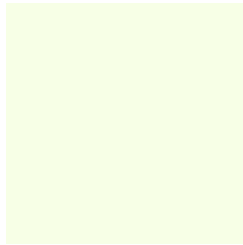
61, 0, 191



20, 0, 64

Previews

White Background



This preview shows how the RYB color 230, 255, 238 looks on a white background.

Color Contrast Check

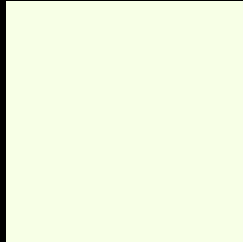
Large Text (above 18pt) WCAG AA × Fail

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 230, 255, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

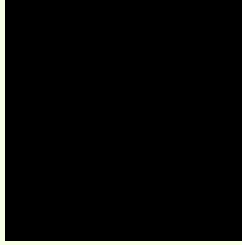
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

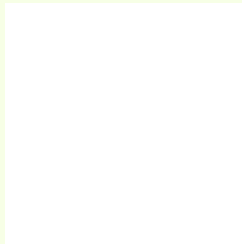
Any Text WCAG AAA ✓ Pass

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

RYB 230, 255, 238 Background



This preview shows how black text looks on a background with the RYB color 230, 255, 238.

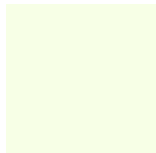


This preview shows how white text looks on a background with the RYB color 230, 255, 238.

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
230, 255, 238



Protanopia
250, 255, 244

Deuteranopia
255, 251, 250

Tritanopia

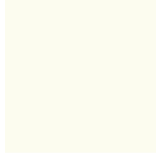
252, 251, 255

Trichromacy



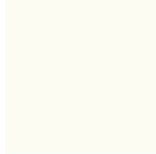
Original Color

230, 255, 238



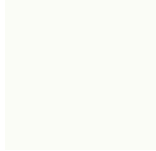
Protanomaly

239, 252, 239



Deuteranomaly

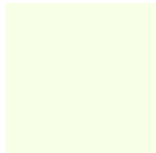
243, 252, 243



Tritanomaly

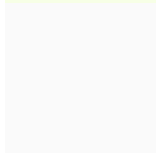
246, 252, 248

Monochromacy



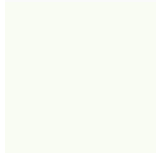
Original Color

230, 255, 238



Achromatopsia

250, 250, 250



Achromatomaly

243, 252, 246

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 255, 238 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(247, 255, 230) looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 230)  
}
```

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(247, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 230) }
```

Border

The CSS property to change the border of an element to RYB 230, 255, 238 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(247, 255, 230) }
```

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

```
.border{ border-color:rgb(247, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 230, 255, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 230) }
```

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

```
.background{ background-color: rgb(247,  
255, 230) }
```

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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