

Converting Colors

`RYB(225, 255, 233)`

Have a look what the booklet for
RYB(225, 255, 233) contains.

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Color

R_YB(225, 255, 233)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE1
RGB	247, 255, 225
RGB Percent	97%, 100%, 88%
CMY	0.0314, 0.0000, 0.1176
CMYK	0.03, 0.00, 0.12, 0.00
HSL	76°, 100%, 94%
HSV	76°, 12%, 100%
XYZ	87.7084, 96.7304, 85.2823
YIQ	249.1880, 4.8620, -11.0260

Conversions

Conversions Part 2

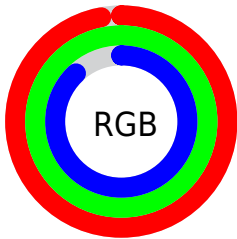
Format	Color
R_{YB}	225, 255, 233
Decimal	16252897
CIE _{Lab}	98.72, -7.70, 13.44
CIE _{LCh}	99, 15.490, 119.829
Yxy	96.7304, 0.3252, 0.3586
Android (android.graphics.Color)	4294442977 (0xFFFF7FFE1)
YUV	249.1880, -11.9247, -1.9189
Hunter-Lab	98.3516, -12.9319, 17.4348

Details

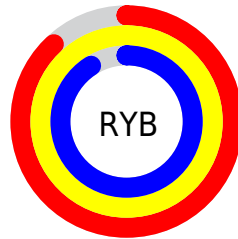
The RYB color **225, 255, 233** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **233, 225, 255**, and the grayscale version is **249, 249, 249**.

A 20% lighter version of the original color is **255, 255, 255**, and **170, 198, 177** is the 20% darker color. If you saturate the color by 10%, you get **200, 255, 215**, and if you desaturate by 10%, it is **251, 255, 252**.

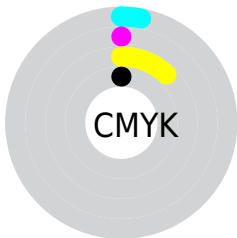
Distribution



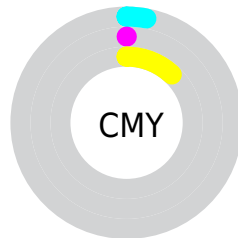
- Red (97%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 225, 255, 233 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 225, 255, 233 by changing the saturation by 10% instead.

 225, 255, 233

255, 255, 255


 225, 255, 233

 197, 226, 205

 170, 198, 177

 143, 171, 151

 118, 145, 126

 93, 119, 100

 69, 94, 76

 47, 71, 54

 26, 48, 33

 0, 27, 5

■ 225, 255, 233

■ 225, 255, 233

■ 200, 255, 215

■ 251, 255, 252

■ 174, 255, 196

255, 255, 255

■ 148, 255, 176

■ 123, 255, 158

■ 98, 255, 140

■ 72, 255, 121

■ 47, 255, 103

■ 21, 255, 83

■ 0, 255, 68

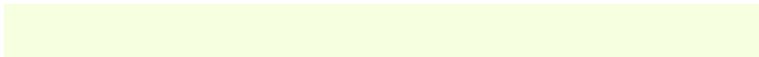
Harmonies

Analogous

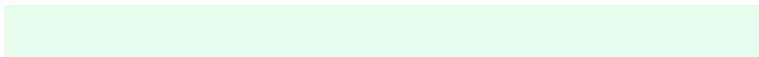
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227, 255, 221



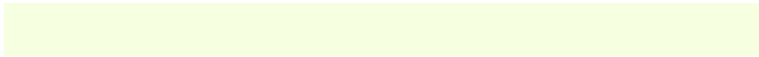
225, 255, 233



230, 250, 255

Triad

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



225, 255, 233



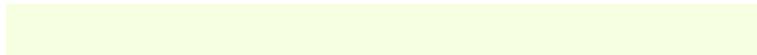
220, 238, 255



255, 241, 252

Complementary

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



225, 255, 233



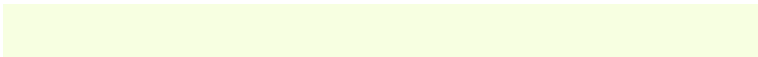
233, 225, 255

Split Complementary

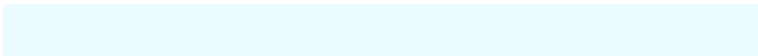
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 243, 255



225, 255, 233



235, 244, 255

Square

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



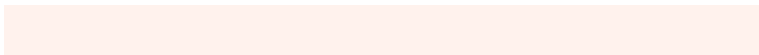
225, 255, 233



213, 234, 255



254, 248, 255



255, 244, 237

Rectangle

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



225, 255, 233



221, 241, 255



254, 248, 255



255, 242, 255

Sweetspot

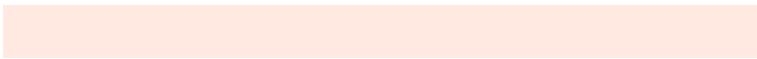
The Sweet Spot groups the original color and five complimentary colors.



225, 255, 233



245, 255, 248



255, 236, 225



121, 128, 123



0, 0, 0



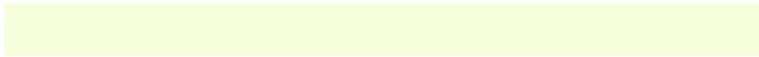
128, 128, 128

Same Dimension

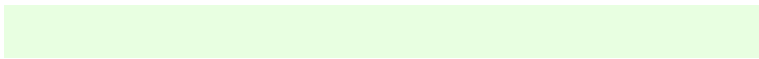
The Same Dimension uses a secret algorithm to generate beautiful new colors.



225, 255, 233



219, 255, 229



225, 255, 248



115, 128, 119



0, 191, 51



0, 64, 17

Inverse Universe

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



233, 225, 255



229, 219, 255



248, 225, 255



118, 115, 128



51, 0, 191



17, 0, 64

Previews

White Background



This preview shows how the RYB color 225, 255, 233 looks on a white background.

Color Contrast Check

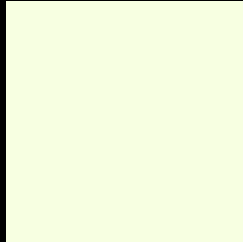
Large Text (above 18pt) WCAG AA × Fail

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 225, 255, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

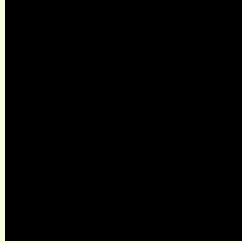
Any Text WCAG AA ✓ Pass

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 225, 255, 233 Background



This preview shows how black text looks on a background with the RYB color 225, 255, 233.



This preview shows how white text looks on a background with the RYB color 225, 255, 233.

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
225, 255, 233



Protanopia
248, 255, 242

Deuteranopia
255, 250, 249

Tritanopia

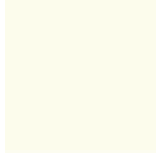
252, 251, 255

Trichromacy



Original Color

225, 255, 233



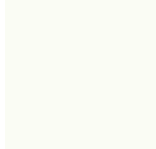
Protanomaly

236, 252, 236



Deuteranomaly

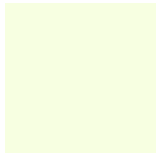
240, 252, 240



Tritanomaly

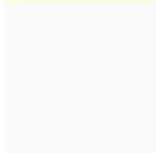
244, 252, 246

Monochromacy



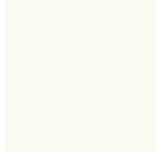
Original Color

225, 255, 233



Achromatopsia

249, 249, 249



Achromatomaly

240, 251, 243

CSS Examples

Text

The CSS property to change the color of the text to RYB 225, 255, 233 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 225) }
```

Border

The CSS property to change the border of an element to RYB 225, 255, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

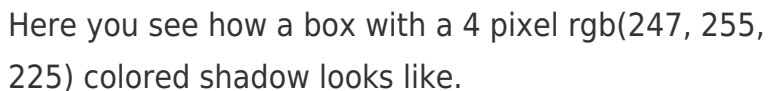
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 255, 225) }
```

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

```
.border{ border-color:rgb(247, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 255, 225); box-shadow:4px 4px 4px 4px rgb(247, 255, 225) }
```

Background

The CSS property to change the background color of an element to RYB 225, 255, 233 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, 225) }
```

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

```
.background{ background-color: rgb(247,  
255, 225) }
```

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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