

Converting Colors

`RYB(200, 249, 217)`

Have a look what the booklet for
RYB(200, 249, 217) contains.

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Color

R_YB(200, 249, 217)

Conversions

Conversions Part 1

Format	Color
Hex	E8F9C8
RGB	232, 249, 200
RGB Percent	91%, 98%, 78%
CMY	0.0902, 0.0235, 0.2157
CMYK	0.07, 0.00, 0.20, 0.02
HSL	81°, 80%, 88%
HSV	81°, 20%, 98%
XYZ	77.5797, 89.0773, 67.7483
YIQ	238.3310, 5.5970, -18.8430

Conversions

Conversions Part 2

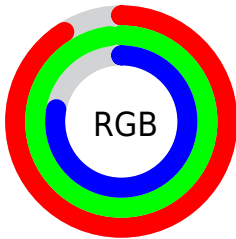
Format	Color
R_{YB}	200, 249, 217
Decimal	15268296
CIE _{Lab}	95.61, -13.81, 21.69
CIE _{LCh}	96, 25.717, 122.488
Yxy	89.0773, 0.3310, 0.3800
Android (android.graphics.Color)	4293458376 (0xFFE8F9C8)
YUV	238.3310, -18.8972, -5.5523
Hunter-Lab	94.3808, -18.4418, 23.5070

Details

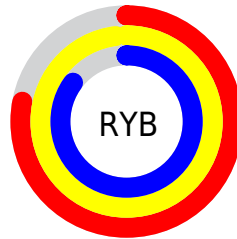
The RYB color **200, 249, 217** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **217, 200, 249**, and the grayscale version is **239, 239, 239**.

A 20% lighter version of the original color is **255, 255, 255**, and **146, 193, 163** is the 20% darker color. If you saturate the color by 10%, you get **175, 249, 201**, and if you desaturate by 10%, it is **225, 249, 233**.

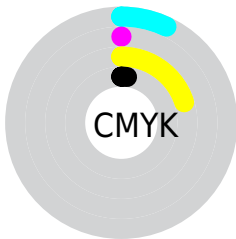
Distribution



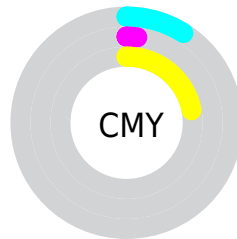
- Red (91%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 249, 217 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 200, 249, 217 by changing the saturation by 10% instead.

200, 249, 217

255, 255, 255

200, 249, 217

173, 220, 189

146, 193, 163

120, 165, 136

95, 139, 111

71, 114, 87

48, 89, 63

26, 66, 42

2, 43, 16

0, 24, 24

 200, 249, 217

 200, 249, 217

 175, 249, 201

 225, 249, 233

 150, 249, 184

 249, 249, 250

 125, 249, 168

 255, 249, 255

 100, 249, 152

 76, 249, 136

 51, 249, 120

 26, 249, 103

 1, 249, 87

 0, 249, 86

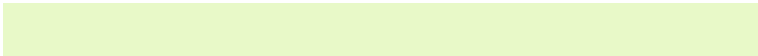
Harmonies

Analogous

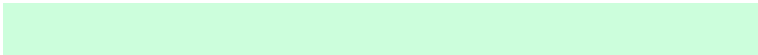
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



211, 255, 193



200, 249, 217



204, 242, 254

Triad

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



200, 249, 217



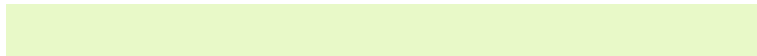
187, 220, 255



255, 225, 241

Complementary

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



200, 249, 217



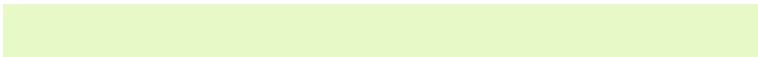
217, 200, 249

Split Complementary

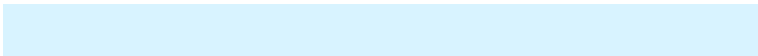
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 228, 255



200, 249, 217



216, 232, 255

Square

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



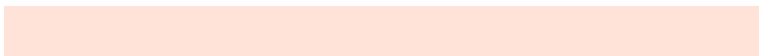
200, 249, 217



174, 215, 255



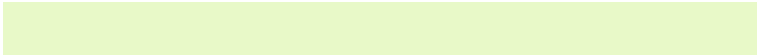
249, 235, 255



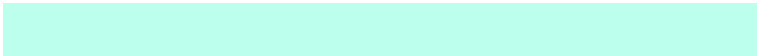
255, 231, 217

Rectangle

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



200, 249, 217



188, 227, 255



249, 235, 255



255, 225, 250

Sweetspot

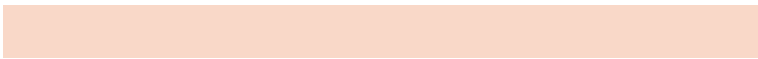
The Sweet Spot groups the original color and five complimentary colors.



200, 249, 217



240, 255, 245



249, 224, 200



119, 128, 123



0, 0, 0



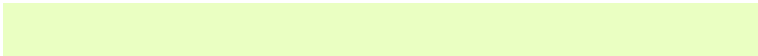
128, 128, 128

Same Dimension

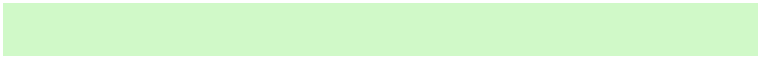
The Same Dimension uses a secret algorithm to generate beautiful new colors.



200, 249, 217



194, 255, 215



200, 249, 241



112, 125, 116



0, 189, 66



0, 61, 21

Inverse Universe

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



217, 200, 249



215, 194, 255



241, 200, 249



117, 112, 125



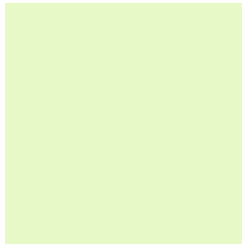
65, 0, 189



21, 0, 61

Previews

White Background



This preview shows how the RYB color 200, 249, 217 looks on a white background.

Color Contrast Check

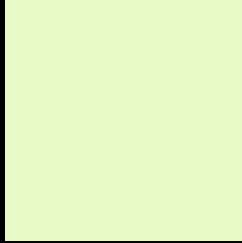
Large Text (above 18pt) WCAG AA × Fail

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 200, 249, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

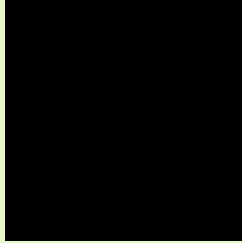
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

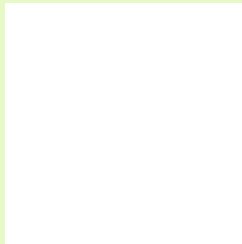
Any Text WCAG AAA ✓ Pass

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

RYB 200, 249, 217 Background



This preview shows how black text looks on a background with the RYB color 200, 249, 217.

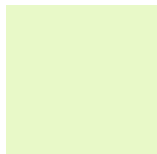
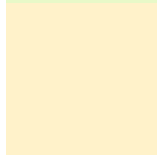
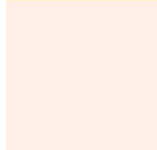


This preview shows how white text looks on a background with the RYB color 200, 249, 217.

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 200, 249, 217
	Protanopia 219, 255, 202
	Deuteranopia 255, 244, 230



Tritanopia

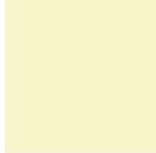
241, 241, 255

Trichromacy



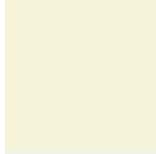
Original Color

200, 249, 217



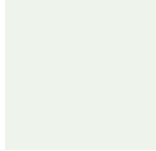
Protanomaly

203, 247, 201



Deuteranomaly

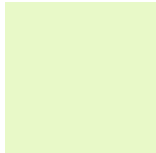
224, 247, 219



Tritanomaly

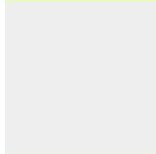
235, 244, 241

Monochromacy



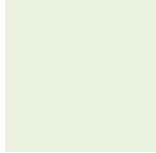
Original Color

200, 249, 217



Achromatopsia

238, 238, 238



Achromatomaly

224, 242, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 249, 217 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(232, 249, 200)` looks like.

```
.text, #text, p{  
    color:rgb(232, 249, 200)  
}
```

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(232, 249, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 249, 200) }
```

Border

The CSS property to change the border of an element to RYB 200, 249, 217 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(232, 249, 200) }
```

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

```
.border{ border-color:rgb(232, 249, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 249, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 249, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 249, 200);  
box-shadow:4px 4px 4px 4px rgb(232, 249,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 200, 249, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 249, 200) }
```

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

```
.background{ background-color: rgb(232,  
249, 200) }
```

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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