

Converting Colors

`RYB(196, 255, 217)`

Have a look what the booklet for
RYB(196, 255, 217) contains.

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Color

R_YB(196, 255, 217)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFC4
RGB	234, 255, 196
RGB Percent	92%, 100%, 77%
CMY	0.0824, 0.0000, 0.2314
CMYK	0.08, 0.00, 0.23, 0.00
HSL	81°, 100%, 88%
HSV	81°, 23%, 100%
XYZ	79.6555, 92.9979, 65.9767
YIQ	241.9950, 6.4230, -22.8010

Conversions

Conversions Part 2

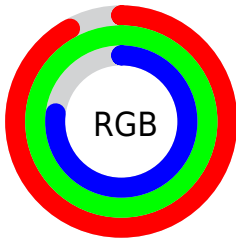
Format	Color
RYB	196, 255, 217
Decimal	15400900
CIELab	97.23, -16.64, 25.98
CIELCh	97, 30.849, 122.642
Yxy	92.9979, 0.3338, 0.3897
Android (android.graphics.Color)	4293590980 (0xFFEAFFC4)
YUV	241.9950, -22.6755, -7.0116
Hunter-Lab	96.4354, -21.3214, 26.9413

Details

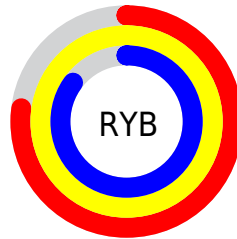
The RYB color **196, 255, 217** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **217, 196, 255**, and the grayscale version is **242, 242, 242**.

A 20% lighter version of the original color is **253, 255, 253**, and **142, 198, 162** is the 20% darker color. If you saturate the color by 10%, you get **171, 255, 201**, and if you desaturate by 10%, it is **222, 255, 234**.

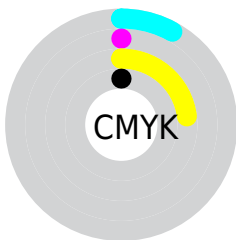
Distribution



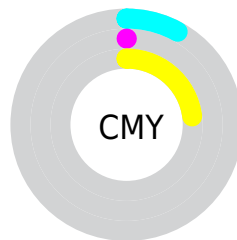
- Red (92%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 255, 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 196, 255, 217 by changing the saturation by 10% instead.


 196, 255, 217

255, 255, 255


253, 255, 253


 196, 255, 217

 169, 226, 189

 142, 198, 162

 116, 171, 136

 91, 144, 110

 67, 119, 87

 44, 94, 63

 22, 70, 41

 0, 48, 19

 0, 28, 28

■ 196, 255, 217

■ 196, 255, 217

■ 171, 255, 201

■ 222, 255, 234

■ 145, 255, 184

■ 247, 255, 250

■ 120, 255, 168

255, 255, 255

■ 94, 255, 151

■ 69, 255, 135

■ 43, 255, 118

■ 18, 255, 103

■ 0, 255, 91

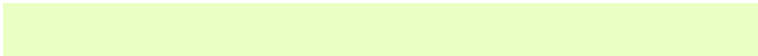
Harmonies

Analogous

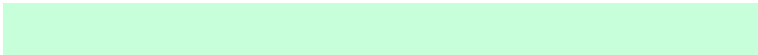
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



197, 255, 187



196, 255, 217



200, 241, 255

Triad

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



196, 255, 217



178, 217, 255



255, 225, 245

Complementary

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



196, 255, 217



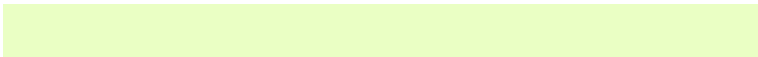
217, 196, 255

Split Complementary

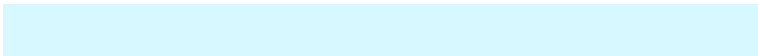
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 229, 255



196, 255, 217



215, 233, 255

Square

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



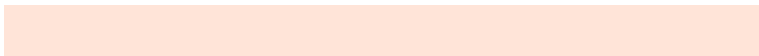
196, 255, 217



161, 208, 255



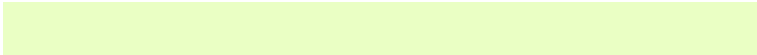
255, 238, 255



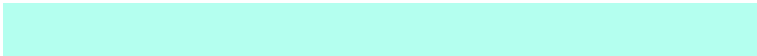
255, 233, 216

Rectangle

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



196, 255, 217



180, 222, 255



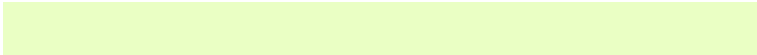
255, 238, 255



255, 226, 255

Sweetspot

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



196, 255, 217



237, 255, 243



255, 229, 196



117, 128, 121



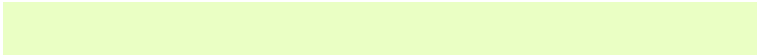
0, 0, 0



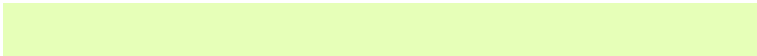
128, 128, 128

Same Dimension

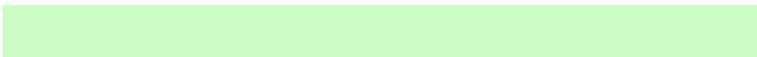
The Same Dimension uses a secret algorithm to generate beautiful new colors.



196, 255, 217



184, 255, 209



196, 255, 246



115, 128, 120



0, 191, 68



0, 64, 23

Inverse Universe

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



217, 196, 255



209, 184, 255



246, 196, 255



119, 115, 128



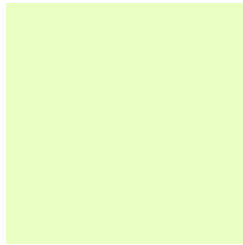
68, 0, 191



23, 0, 64

Previews

White Background



This preview shows how the RYB color 196, 255, 217 looks on a white background.

Color Contrast Check

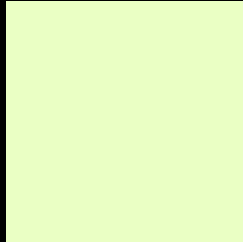
Large Text (above 18pt) WCAG AA × Fail

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 196, 255, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

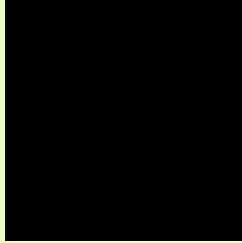
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

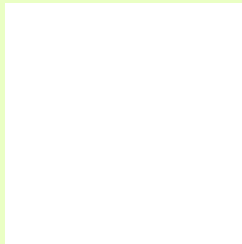
Any Text WCAG AAA ✓ Pass

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

RYB 196, 255, 217 Background



This preview shows how black text looks on a background with the RYB color 196, 255, 217.

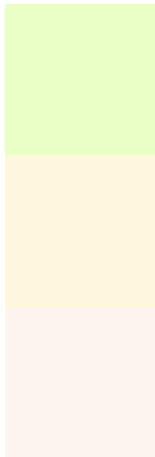


This preview shows how white text looks on a background with the RYB color 196, 255, 217.

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
196, 255, 217

Protanopia
231, 255, 221

Deuteranopia
255, 249, 239



Tritanopia

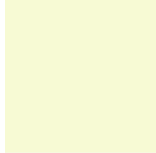
246, 246, 255

Trichromacy



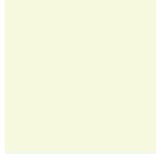
Original Color

196, 255, 217



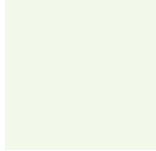
Protanomaly

212, 250, 215



Deuteranomaly

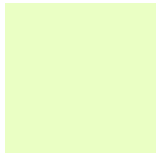
223, 249, 225



Tritanomaly

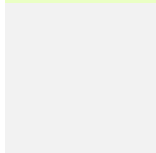
234, 249, 241

Monochromacy



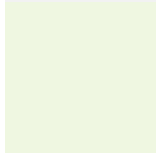
Original Color

196, 255, 217



Achromatopsia

242, 242, 242



Achromatomaly

225, 247, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 255, 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(234, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 196)  
}
```

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(234, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 196) }
```

Border

The CSS property to change the border of an element to RYB 196, 255, 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(234, 255, 196) }
```

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

```
.border{ border-color:rgb(234, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 196, 255, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 196) }
```

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

```
.background{ background-color: rgb(234,  
255, 196) }
```

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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