

Converting Colors

`RYB(228, 255, 222)`

Have a look what the booklet for
RYB(228, 255, 222) contains.

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Color

R_YB(228, 255, 222)

Conversions

Conversions Part 1

Format	Color
Hex	FFFADE
RGB	255, 250, 222
RGB Percent	100%, 98%, 87%
CMY	0.0000, 0.0199, 0.1294
CMYK	0.00, 0.02, 0.13, 0.00
HSL	51°, 100%, 94%
HSV	51°, 13%, 100%
XYZ	88.5865, 94.8573, 82.7475
YIQ	248.3030, 11.9680, -7.6480

Conversions

Conversions Part 2

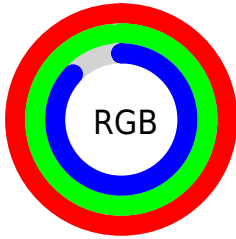
Format	Color
R _Y B	228, 255, 222
Decimal	16775902
CIE Lab	97.98, -2.87, 14.00
CIE LCh	98, 14.289, 101.599
Yxy	94.8573, 0.3328, 0.3564
Android (android.graphics.Color)	4294965982 (0xFFFFFADE)
YUV	248.3030, -12.9674, 5.8733
Hunter-Lab	97.3947, -8.0840, 17.8029

Details

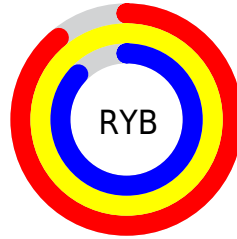
The RYB color **228, 255, 222** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **222, 226, 255**, and the grayscale version is **248, 248, 248**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 198, 167** is the 20% darker color. If you saturate the color by 10%, you get **208, 255, 197**, and if you desaturate by 10%, it is **249, 255, 248**.

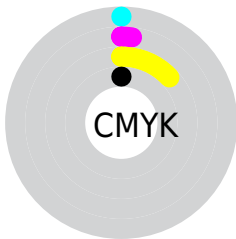
Distribution



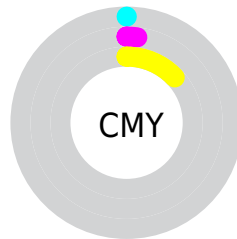
- Red (100%)
- Green (98%)
- Blue (87%)



- Red (89%)
- Yellow (100%)
- Blue (87%)



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



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

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 255, 222 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 228, 255, 222 by changing the saturation by 10% instead.

 228, 255, 222


255, 255, 255

 228, 255, 222

 200, 226, 194

 172, 198, 167

 146, 171, 140

 120, 144, 115

 93, 118, 90

 70, 93, 67

 47, 70, 44

 26, 47, 24

 5, 28, 0

228, 255, 222

228, 255, 222

208, 255, 197

249, 255, 248

186, 255, 171

255, 255, 255

166, 255, 146

145, 255, 120

125, 255, 95

103, 255, 69

83, 255, 44

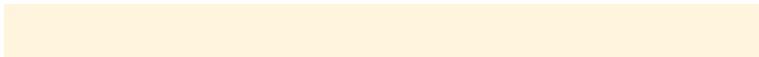
60, 255, 18

46, 255, 0

Harmonies

Analogous

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



238, 255, 223



228, 255, 222



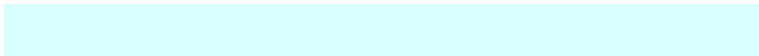
228, 254, 243

Triad

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



228, 255, 222



216, 236, 255



255, 241, 255

Complementary

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



228, 255, 222



222, 226, 255

Split Complementary

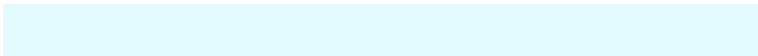
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 244, 255



228, 255, 222



225, 239, 255

Square

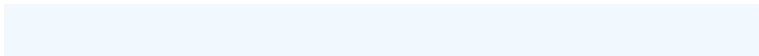
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228, 255, 222



215, 235, 255



241, 246, 255



255, 240, 244

Rectangle

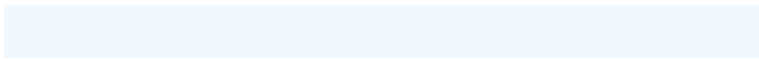
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228, 255, 222



229, 249, 255



241, 246, 255



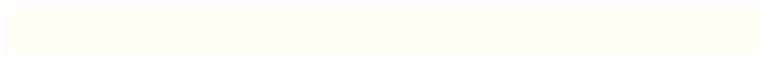
255, 242, 255

Sweetspot

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



228, 255, 222



248, 255, 245



255, 222, 228



122, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



228, 255, 222



221, 255, 214



222, 255, 233



117, 128, 115



34, 191, 0



12, 64, 0

Inverse Universe

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



222, 226, 255



214, 219, 255



233, 222, 255



115, 117, 128



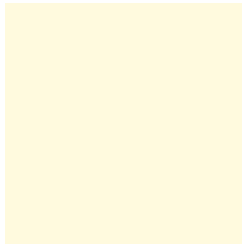
0, 25, 191



0, 9, 64

Previews

White Background



This preview shows how the RYB color 228, 255, 222 looks on a white background.

Color Contrast Check

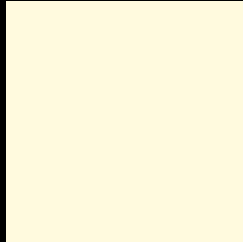
Large Text (above 18pt) WCAG AA × Fail

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 228, 255, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

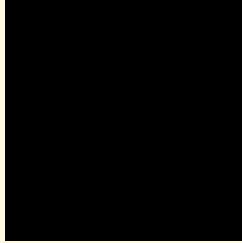
Any Text WCAG AA ✓ Pass

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 228, 255, 222 Background



This preview shows how black text looks on a background with the RYB color 228, 255, 222.

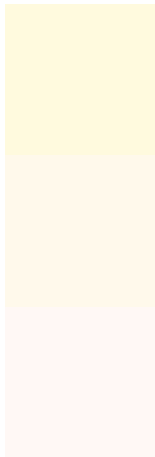


This preview shows how white text looks on a background with the RYB color 228, 255, 222.

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
228, 255, 222

Protanopia
244, 255, 235

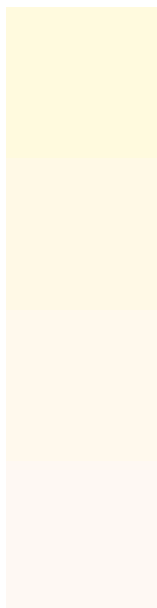
Deuteranopia
255, 249, 245



Tritanopia

254, 247, 255

Trichromacy



Original Color

228, 255, 222

Protanomaly

238, 255, 230

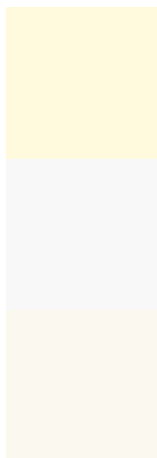
Deuteranomaly

246, 255, 237

Tritanomaly

254, 252, 243

Monochromacy



Original Color

228, 255, 222

Achromatopsia

248, 248, 248

Achromatomaly

241, 251, 239

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 255, 222 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(255, 250, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 222)  
}
```

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(255, 250, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 222) }
```

Border

The CSS property to change the border of an element to RYB 228, 255, 222 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(255, 250, 222) }
```

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

```
.border{ border-color:rgb(255, 250, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 228, 255, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 222) }
```

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

```
.background{ background-color: rgb(255,  
250, 222) }
```

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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