

Converting Colors

`RYB(228, 255, 228)`

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

RYB(228, 255, 228)	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(228, 255, 228)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFE4
RGB	255, 255, 228
RGB Percent	100%, 100%, 89%
CMY	0.0000, 0.0000, 0.1059
CMYK	0.00, 0.00, 0.11, 0.00
HSL	60°, 100%, 95%
HSV	60°, 11%, 100%
XYZ	91.0036, 98.3814, 87.5919
YIQ	251.9220, 8.6670, -8.3970

Conversions

Conversions Part 2

Format	Color
R _Y B	228, 255, 228
Decimal	16777188
CIE Lab	99.37, -4.48, 12.91
CIE LCh	99, 13.663, 109.145
Yxy	98.3814, 0.3286, 0.3552
Android (android.graphics.Color)	4294967268 (0xFFFFFFFFE4)
YUV	251.9220, -11.7935, 2.6994
Hunter-Lab	99.1874, -9.8058, 17.0725

Details

The RYB color **228, 255, 228** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **228, 228, 255**, and the grayscale version is **252, 252, 252**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 198, 173** is the 20% darker color. If you saturate the color by 10%, you get **203, 255, 203**, and if you desaturate by 10%, it is **254, 255, 254**.

Distribution



- Red (100%)
- Green (100%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

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


 228, 255, 228


255, 255, 255

 228, 255, 228

 200, 226, 200


 173, 198, 173


 146, 171, 146

 120, 145, 121

 95, 119, 96

 72, 94, 72

 49, 71, 50

 28, 48, 29

 2, 27, 2

228, 255, 228

228, 255, 228

203, 255, 203

254, 255, 254

177, 255, 177

255, 255, 255

152, 255, 152

126, 255, 126

101, 255, 101

75, 255, 75

50, 255, 50

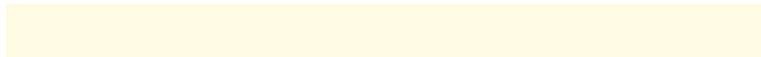
24, 255, 24

0, 255, 0

Harmonies

Analogous

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



232, 255, 227



228, 255, 228



235, 255, 250

Triad

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



228, 255, 228



223, 239, 255



255, 245, 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, 228



228, 228, 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, 247, 255



228, 255, 228



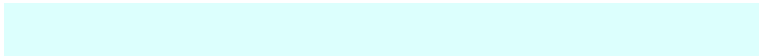
234, 245, 255

Square

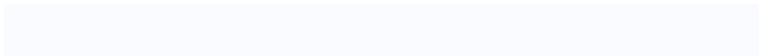
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



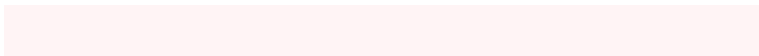
228, 255, 228



220, 238, 255



250, 251, 255



255, 244, 245

Rectangle

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



228, 255, 228



230, 246, 255



250, 251, 255



255, 245, 255

Sweetspot

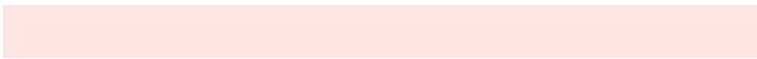
The Sweet Spot groups the original color and five complimentary colors.



228, 255, 228



247, 255, 247



255, 228, 228



122, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



228, 255, 228



222, 255, 222



228, 255, 241



115, 128, 115



0, 191, 0



0, 64, 0

Inverse Universe

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



228, 228, 255



222, 222, 255



242, 228, 255



115, 115, 128



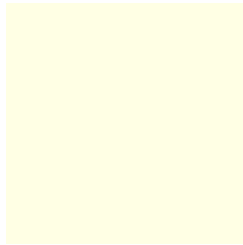
0, 0, 191



0, 0, 64

Previews

White Background



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

Color Contrast Check

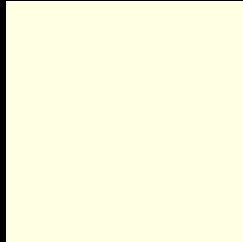
Large Text (above 18pt) WCAG AA × Fail

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, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

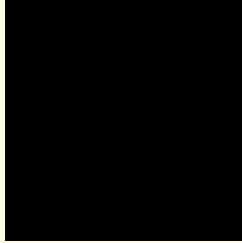
Any Text WCAG AA ✓ Pass

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, 228 Background



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



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

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, 228



Protanopia
252, 255, 249



Deuteranopia
255, 254, 252

Tritanopia

254, 253, 255

Trichromacy



Original Color
228, 255, 228

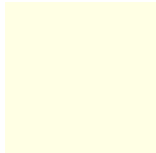


Protanomaly
242, 255, 241

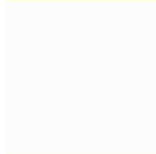
Deuteranomaly
244, 255, 243

Tritanomaly
245, 254, 245

Monochromacy



Original Color
228, 255, 228



Achromatopsia
252, 252, 252



Achromatomaly
243, 253, 243

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(255, 255, 228)  
}
```

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, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 228) }
```

Border

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

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

```
.border{ border-color:rgb(255, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
228) }
```

Background

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

```
.background, #background, body{  
background: rgb(255, 255, 228) }
```

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

```
.background{ background-color: rgb(255,  
255, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor