

Converting Colors

`RYB(140, 255, 128)`

Have a look what the booklet for
RYB(140, 255, 128) contains.

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Color

R_YB(140, 255, 128)

Conversions

Conversions Part 1

Format	Color
Hex	FFF480
RGB	255, 244, 128
RGB Percent	100%, 96%, 50%
CMY	0.0000, 0.0430, 0.4980
CMYK	0.00, 0.04, 0.50, 0.00
HSL	55°, 100%, 75%
HSV	55°, 50%, 100%
XYZ	77.4978, 87.5415, 33.2347
YIQ	234.0650, 43.7920, -33.7440

Conversions

Conversions Part 2

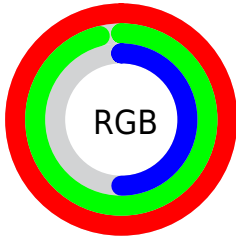
Format	Color
RYB	140, 255, 128
Decimal	16774272
CIELab	94.97, -11.20, 56.66
CIELCh	95, 57.759, 101.178
Yxy	87.5415, 0.3909, 0.4415
Android (android.graphics.Color)	4294964352 (0xFFFFFFFF480)
YUV	234.0650, -52.2900, 18.3600
Hunter-Lab	93.5636, -15.8866, 44.4342

Details

The RYB color **140, 255, 128** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **128, 138, 255**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **183, 255, 183**, and **84, 196, 75** is the 20% darker color. If you saturate the color by 10%, you get **117, 255, 103**, and if you desaturate by 10%, it is **164, 255, 154**.

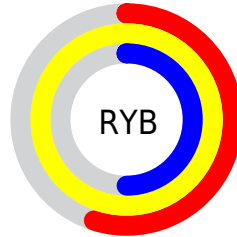
Distribution



Red (100%)

Green (96%)

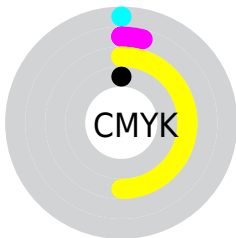
Blue (50%)



Red (55%)

Yellow (100%)

Blue (50%)

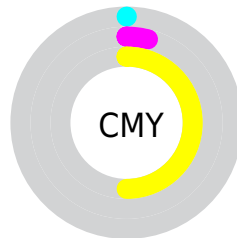


Cyan (0%)

Magenta (4%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 255, 128 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 140, 255, 128 by changing the saturation by 10% instead.

 140, 255, 128


255, 255, 255

 183, 255, 183


 212, 255, 212

 241, 255, 241


 140, 255, 128

 111, 225, 101

 84, 196, 75

 54, 167, 48

 19, 139, 15

 2, 112, 0

 0, 86, 1

 0, 63, 4

 0, 41, 7

 0, 22, 22

 140, 255, 128


 140, 255, 128

 117, 255, 103

 164, 255, 154

 93, 255, 77

 187, 255, 179

 71, 255, 51

 209, 255, 205

 48, 255, 26

 232, 255, 230

 24, 255, 0

255, 255, 255

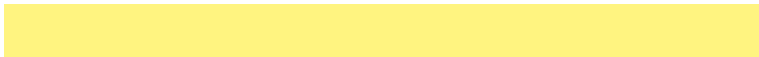
Harmonies

Analogous

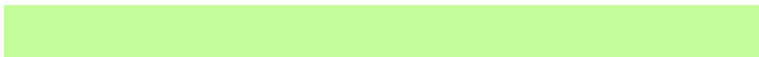
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



175, 255, 135



140, 255, 128



154, 255, 215

Triad

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



140, 255, 128



0, 128, 255



255, 200, 255

Complementary

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



140, 255, 128



128, 138, 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, 218, 255



140, 255, 128



54, 155, 255

Square

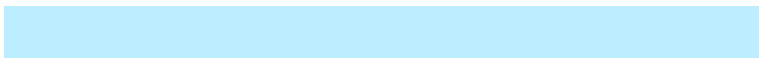
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



140, 255, 128



0, 128, 255



189, 217, 255



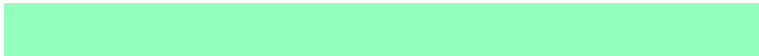
255, 195, 222

Rectangle

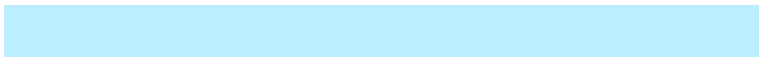
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



140, 255, 128



146, 226, 255



189, 217, 255



255, 205, 255

Sweetspot

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



140, 255, 128



220, 255, 217



255, 128, 141



107, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

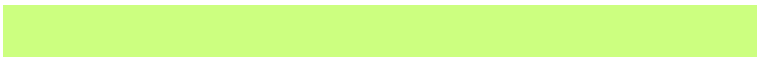
The Same Dimension uses a secret algorithm to generate beautiful new colors.



140, 255, 128



116, 255, 102



128, 255, 179



117, 128, 115



17, 191, 0



7, 64, 0

Inverse Universe

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



128, 138, 255



102, 114, 255



179, 128, 255



115, 116, 128



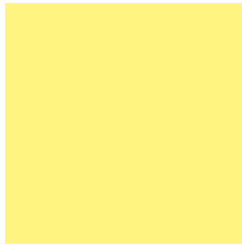
0, 16, 191



0, 5, 64

Previews

White Background



This preview shows how the RYB color 140, 255, 128 looks on a white background.

Color Contrast Check

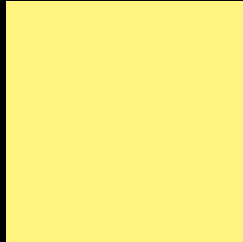
Large Text (above 18pt) WCAG AA × Fail

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 140, 255, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

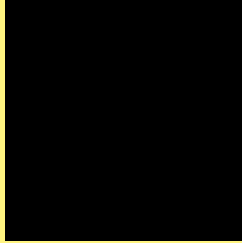
Any Text WCAG AA ✓ Pass

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 140, 255, 128 Background



This preview shows how black text looks on a background with the RYB color 140, 255, 128.

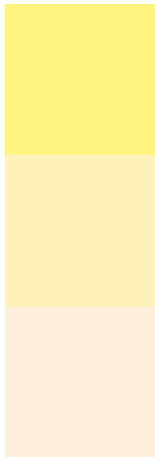


This preview shows how white text looks on a background with the RYB color 140, 255, 128.

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
140, 255, 128

Protanopia
204, 255, 186

Deuteranopia
253, 255, 220



Tritanopia

255, 235, 245

Trichromacy



Original Color

140, 255, 128



Protanomaly

180, 255, 165



Deuteranomaly

206, 255, 187



Tritanomaly

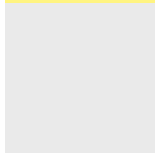
227, 255, 202

Monochromacy



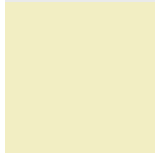
Original Color

140, 255, 128



Achromatopsia

234, 234, 234



Achromatomaly

199, 242, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 255, 128 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, 244, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 128)  
}
```

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, 244, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 128) }
```

Border

The CSS property to change the border of an element to RYB 140, 255, 128 is called "border". The border property can be set on classes, ids or directly on the HTML element.

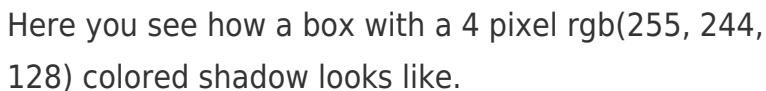
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 244, 128) }
```

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

```
.border{ border-color:rgb(255, 244, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 244, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 244, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 244, 128); box-shadow:4px 4px 4px 4px rgb(255, 244, 128) }
```

Background

The CSS property to change the background color of an element to RYB 140, 255, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 128) }
```

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

```
.background{ background-color: rgb(255,  
244, 128) }
```

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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