

Converting Colors

`RYB(152, 255, 176)`

Have a look what the booklet for
RYB(152, 255, 176) contains.

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Color

R_YB(152, 255, 176)

Conversions

Conversions Part 1

Format	Color
Hex	E7FF98
RGB	231, 255, 152
RGB Percent	91%, 100%, 60%
CMY	0.0941, 0.0000, 0.4039
CMYK	0.09, 0.00, 0.40, 0.00
HSL	74°, 100%, 80%
HSV	74°, 40%, 100%
XYZ	74.3825, 90.7759, 43.3069
YIQ	236.0820, 18.7590, -37.1210

Conversions

Conversions Part 2

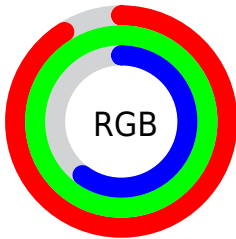
Format	Color
RYB	152, 255, 176
Decimal	15204248
CIELab	96.32, -23.36, 46.57
CIELCh	96, 52.100, 116.641
Yxy	90.7759, 0.3568, 0.4354
Android (android.graphics.Color)	4293394328 (0xFFE7FF98)
YUV	236.0820, -41.4524, -4.4569
Hunter-Lab	95.2764, -27.3784, 39.7438

Details

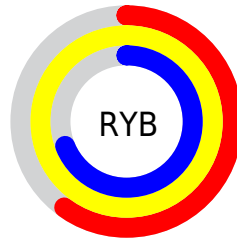
The RYB color **152, 255, 176** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **176, 152, 255**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **208, 255, 208**, and **99, 198, 123** is the 20% darker color. If you saturate the color by 10%, you get **127, 255, 157**, and if you desaturate by 10%, it is **178, 255, 196**.

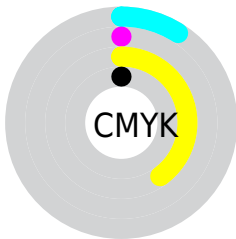
Distribution



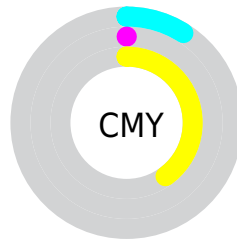
- Red (91%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 255, 176 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 152, 255, 176 by changing the saturation by 10% instead.

 152, 255, 176


255, 255, 255

 208, 255, 208

 236, 255, 236


 152, 255, 176


 125, 226, 149

 99, 198, 123

 73, 171, 98

 48, 144, 73

 20, 119, 46

 0, 94, 27

 0, 70, 27

 0, 48, 32

 0, 29, 29

■ 152, 255, 176

■ 152, 255, 176

■ 127, 255, 157

■ 178, 255, 196

■ 101, 255, 137

■ 203, 255, 215

■ 76, 255, 118

■ 229, 255, 235

■ 50, 255, 98

254, 255, 254

■ 24, 255, 78

255, 255, 255

■ 0, 255, 59

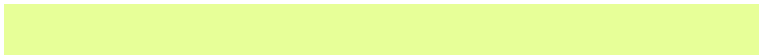
Harmonies

Analogous

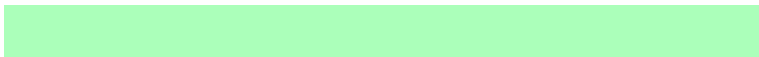
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



162, 255, 143



152, 255, 176



171, 242, 255

Triad

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



152, 255, 176



46, 151, 255



255, 205, 252

Complementary

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



152, 255, 176



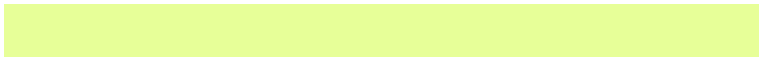
176, 152, 255

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, 215, 255



152, 255, 176



158, 205, 255

Square

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



152, 255, 176



0, 128, 255



242, 233, 255



255, 209, 202

Rectangle

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



152, 255, 176



125, 200, 255



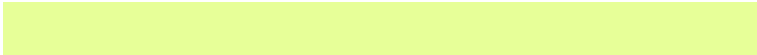
242, 233, 255



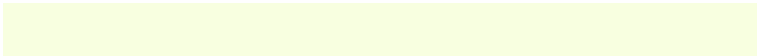
255, 207, 255

Sweetspot

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



152, 255, 176



224, 255, 231



255, 180, 152



110, 128, 115



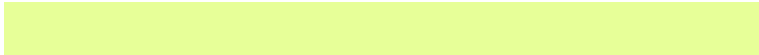
0, 0, 0



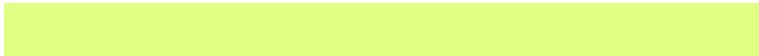
128, 128, 128

Same Dimension

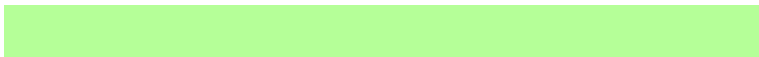
The Same Dimension uses a secret algorithm to generate beautiful new colors.



152, 255, 176



133, 255, 162



152, 255, 226



115, 128, 118



0, 191, 44



0, 64, 15

Inverse Universe

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



176, 152, 255



161, 133, 255



226, 152, 255



118, 115, 128



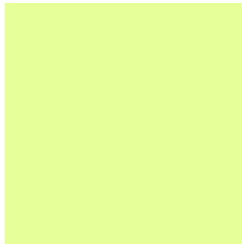
45, 0, 191



15, 0, 64

Previews

White Background



This preview shows how the RYB color 152, 255, 176 looks on a white background.

Color Contrast Check

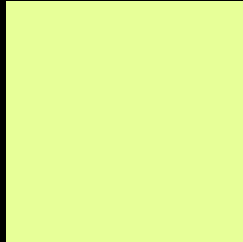
Large Text (above 18pt) WCAG AA × Fail

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 152, 255, 176 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 152, 255, 176 Background



This preview shows how black text looks on a background with the RYB color 152, 255, 176.

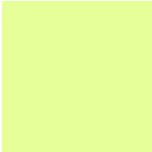
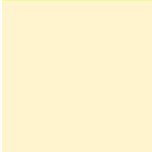
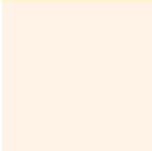


This preview shows how white text looks on a background with the RYB color 152, 255, 176.

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

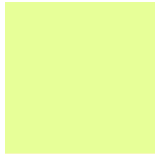
	Original Color 152, 255, 176
	Protanopia 220, 255, 206
	Deuteranopia 255, 253, 230



Tritanopia

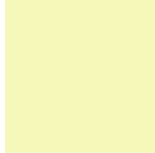
245, 243, 255

Trichromacy



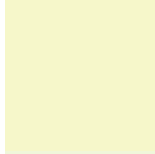
Original Color

152, 255, 176



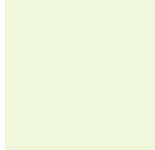
Protanomaly

186, 248, 188



Deuteranomaly

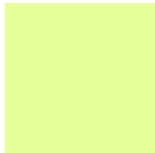
202, 247, 203



Tritanomaly

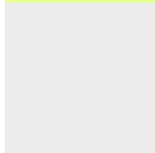
218, 247, 225

Monochromacy



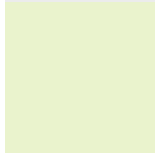
Original Color

152, 255, 176



Achromatopsia

236, 236, 236



Achromatomaly

205, 243, 214

CSS Examples

Text

The CSS property to change the color of the text to RGB 152, 255, 176 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(231, 255, 152) looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 152)  
}
```

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(231, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 152) }
```

Border

The CSS property to change the border of an element to RYB 152, 255, 176 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(231, 255, 152) }
```

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

```
.border{ border-color:rgb(231, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
152) }
```

Background

The CSS property to change the background color of an element to RYB 152, 255, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 152) }
```

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

```
.background{ background-color: rgb(231,  
255, 152) }
```

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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