

Converting Colors

`RYB(176, 255, 215)`

Have a look what the booklet for
RYB(176, 255, 215) contains.

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Color

`RYB(176, 255, 215)`

Conversions

Conversions Part 1

Format	Color
Hex	D8FFB0
RGB	216, 255, 176
RGB Percent	85%, 100%, 69%
CMY	0.1529, 0.0000, 0.3098
CMYK	0.15, 0.00, 0.31, 0.00
HSL	90°, 100%, 85%
HSV	90°, 31%, 100%
XYZ	71.9154, 89.2535, 54.5116
YIQ	234.3330, 2.1150, -32.8370

Conversions

Conversions Part 2

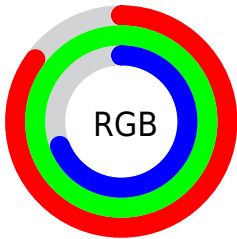
Format	Color
RYB	176, 255, 215
Decimal	14221232
CIELab	95.69, -25.79, 33.75
CIElCh	96, 42.480, 127.383
Yxy	89.2535, 0.3334, 0.4138
Android (android.graphics.Color)	4292411312 (0xFFD8FFB0)
YUV	234.3330, -28.7582, -16.0780
Hunter-Lab	94.4741, -29.4522, 31.9215

Details

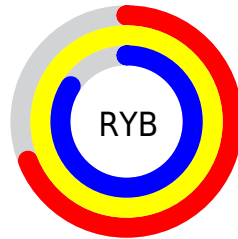
The RYB color **176, 255, 215** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **215, 176, 255**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **232, 255, 232**, and **123, 198, 161** is the 20% darker color. If you saturate the color by 10%, you get **150, 255, 202**, and if you desaturate by 10%, it is **202, 255, 228**.

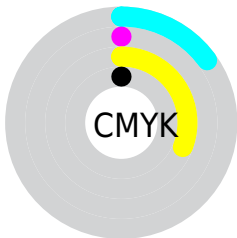
Distribution



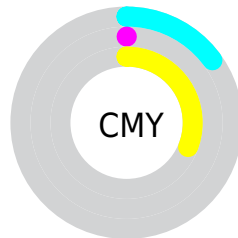
- Red (85%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 255, 215 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 176, 255, 215 by changing the saturation by 10% instead.

 176, 255, 215


255, 255, 255


 232, 255, 232

 176, 255, 215

 149, 226, 187

 123, 198, 161

 97, 171, 135

 73, 144, 110

 49, 118, 85

 25, 93, 61

 0, 70, 38

 0, 47, 40

 0, 28, 28

■ 176, 255, 215

■ 176, 255, 215

■ 150, 255, 202

■ 202, 255, 228

■ 125, 255, 189

■ 227, 255, 241

■ 99, 255, 176

253, 255, 254

■ 74, 255, 163

255, 255, 255

■ 49, 255, 151

■ 23, 255, 138

■ 0, 255, 126

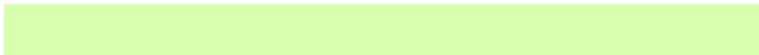
Harmonies

Analogous

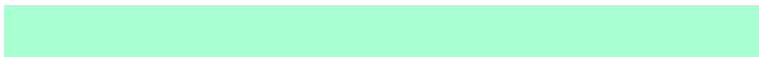
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



174, 255, 160



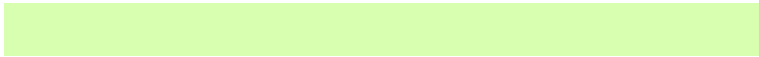
176, 255, 215



167, 226, 255

Triad

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



176, 255, 215



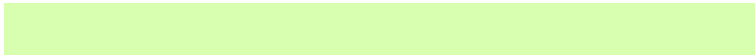
140, 198, 255



255, 211, 234

Complementary

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



176, 255, 215



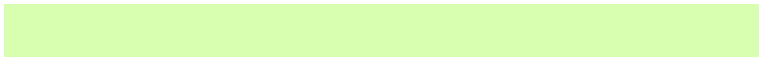
215, 176, 255

Split Complementary

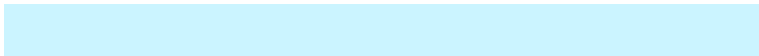
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 216, 255



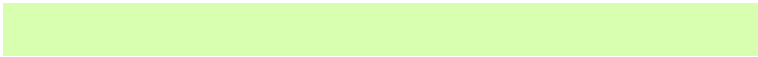
176, 255, 215



203, 226, 255

Square

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



176, 255, 215



102, 179, 255



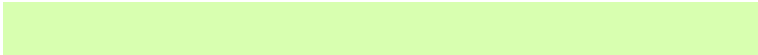
255, 228, 255



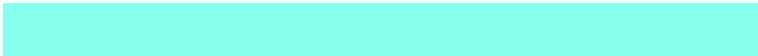
255, 230, 195

Rectangle

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



176, 255, 215



135, 200, 255



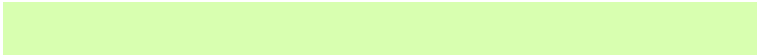
255, 228, 255



255, 212, 248

Sweetspot

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



176, 255, 215



232, 255, 243



255, 249, 176



113, 128, 120



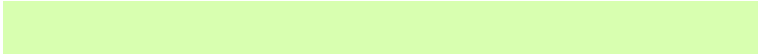
0, 0, 0



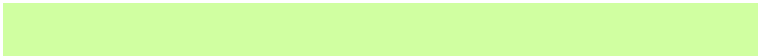
128, 128, 128

Same Dimension

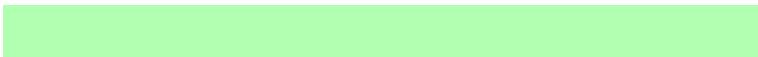
The Same Dimension uses a secret algorithm to generate beautiful new colors.



176, 255, 215



161, 255, 208



176, 255, 254



115, 128, 122



0, 191, 94



0, 64, 32

Inverse Universe

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



215, 176, 255



207, 161, 255



254, 176, 255



121, 115, 128



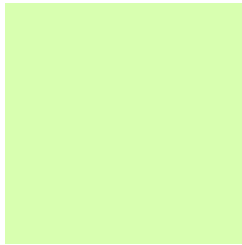
94, 0, 191



31, 0, 64

Previews

White Background



This preview shows how the RYB color 176, 255, 215 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 176, 255, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

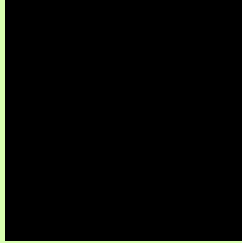
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

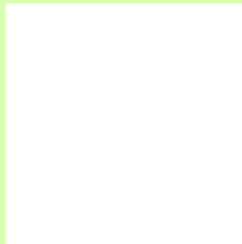
Any Text WCAG AAA ✓ Pass

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

RYB 176, 255, 215 Background



This preview shows how black text looks on a background with the RYB color 176, 255, 215.

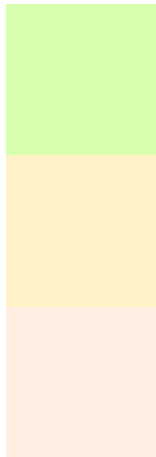


This preview shows how white text looks on a background with the RYB color 176, 255, 215.

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
176, 255, 215

Protanopia
215, 255, 198

Deuteranopia
255, 248, 227



Tritanopia

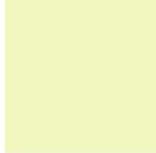
234, 240, 255

Trichromacy



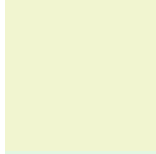
Original Color

176, 255, 215



Protanomaly

190, 247, 196



Deuteranomaly

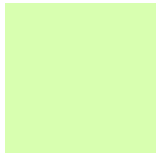
208, 245, 212



Tritanomaly

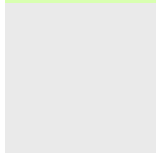
226, 247, 246

Monochromacy



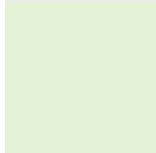
Original Color

176, 255, 215



Achromatopsia

234, 234, 234



Achromatomaly

213, 242, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 255, 215 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(216, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 176)  
}
```

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(216, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 176) }
```

Border

The CSS property to change the border of an element to RYB 176, 255, 215 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(216, 255, 176) }
```

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

```
.border{ border-color:rgb(216, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 176, 255, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 176) }
```

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

```
.background{ background-color: rgb(216,  
255, 176) }
```

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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