

Converting Colors

`RYB(176, 216, 252)`

Have a look what the booklet for
RYB(176, 216, 252) contains.

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Color

R_YB(176, 216, 252)

Conversions

Conversions Part 1

Format	Color
Hex	B0FCF4
RGB	176, 252, 244
RGB Percent	69%, 99%, 96%
CMY	0.3098, 0.0118, 0.0416
CMYK	0.30, 0.00, 0.03, 0.01
HSL	174°, 93%, 84%
HSV	174°, 30%, 99%
XYZ	69.1049, 85.4069, 98.7497
YIQ	228.3640, -42.7280, -18.6000

Conversions

Conversions Part 2

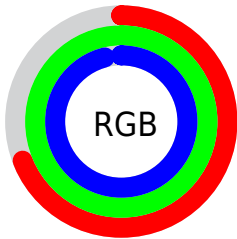
Format	Color
RYB	176, 216, 252
Decimal	11599092
CIELab	94.06, -24.79, -3.84
CIElCh	94, 25.083, 188.799
Yxy	85.4069, 0.2729, 0.3372
Android (android.graphics.Color)	4289789172 (0xFFB0FCF4)
YUV	228.3640, 7.7085, -45.9232
Hunter-Lab	92.4159, -28.2526, 1.3376

Details

The RYB color **176, 216, 252** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **252, 176, 184**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **233, 244, 255**, and **121, 160, 195** is the 20% darker color. If you saturate the color by 10%, you get **151, 204, 252**, and if you desaturate by 10%, it is **201, 228, 252**.

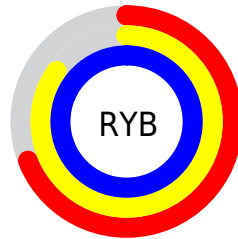
Distribution



Red (69%)

Green (99%)

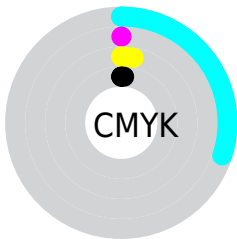
Blue (96%)



Red (69%)

Yellow (85%)

Blue (99%)

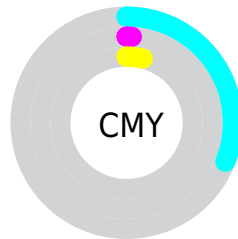


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (1%)



Cyan (31%)

Magenta (1%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 216, 252 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, 216, 252 by changing the saturation by 10% instead.


 176, 216, 252


255, 255, 255


 233, 244, 255

 176, 216, 252

 148, 187, 223

 121, 160, 195

 93, 132, 168


 66, 105, 141

 37, 77, 115

 0, 47, 91

 0, 35, 67


 0, 23, 44


 0, 12, 23

 176, 216, 252


 176, 216, 252

 151, 204, 252


 201, 228, 252

 126, 192, 252


 226, 240, 252

 100, 180, 252


 252, 252, 252

 75, 168, 252

 255, 252, 254

 50, 156, 252

 255, 252, 255

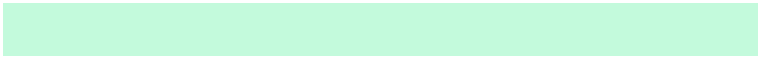
 25, 145, 252

 0, 133, 252

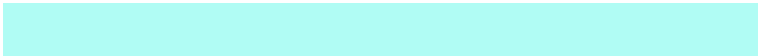
Harmonies

Analogous

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



195, 233, 250



176, 216, 252



173, 213, 255

Triad

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



176, 216, 252



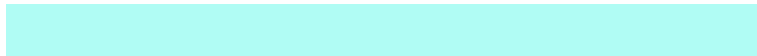
251, 229, 255



232, 255, 193

Complementary

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



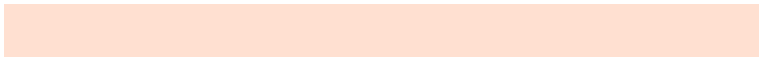
176, 216, 252



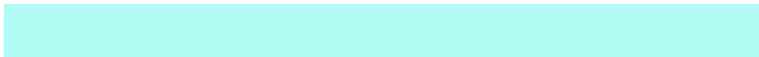
252, 176, 184

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, 231, 209



176, 216, 252



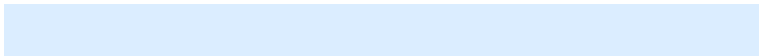
255, 223, 255

Square

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



176, 216, 252



219, 231, 255



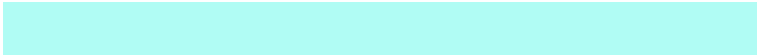
255, 221, 231



202, 249, 190

Rectangle

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



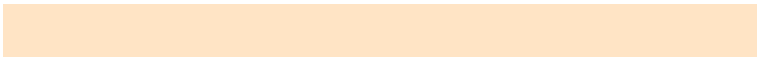
176, 216, 252



182, 216, 255



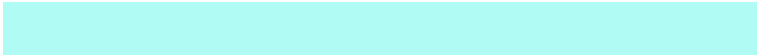
255, 221, 231



248, 255, 197

Sweetspot

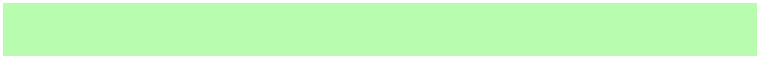
The Sweet Spot groups the original color and five complimentary colors.



176, 216, 252



232, 244, 255



176, 252, 244



113, 121, 128



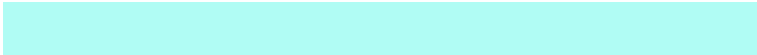
0, 0, 0



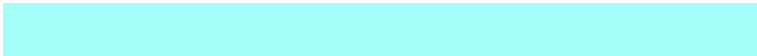
128, 128, 128

Same Dimension

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



176, 216, 252



163, 211, 255



176, 205, 252



112, 119, 125



0, 100, 189



0, 32, 61

Inverse Universe

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



252, 176, 184



255, 163, 172



252, 226, 176



125, 112, 114



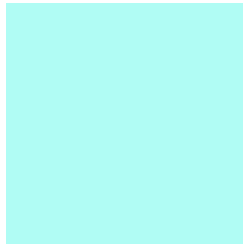
189, 0, 19



61, 0, 6

Previews

White Background



This preview shows how the RYB color 176, 216, 252 looks on a white background.

Color Contrast Check

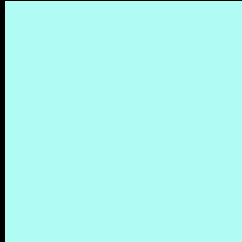
Large Text (above 18pt) WCAG AA × Fail

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, 216, 252 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, 216, 252 Background



This preview shows how black text looks on a background with the RYB color 176, 216, 252.

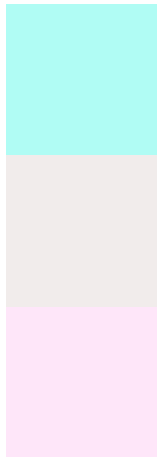


This preview shows how white text looks on a background with the RYB color 176, 216, 252.

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, 216, 252

Protanopia
241, 236, 235

Deuteranopia
254, 230, 249



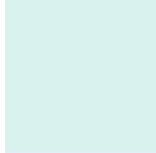
Tritanopia
208, 228, 255

Trichromacy



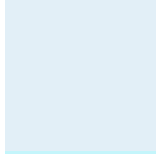
Original Color

176, 216, 252



Protanomaly

217, 231, 242



Deuteranomaly

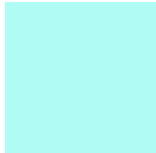
226, 234, 247



Tritanomaly

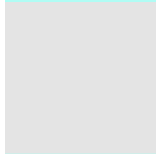
196, 222, 251

Monochromacy



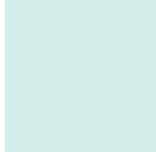
Original Color

176, 216, 252



Achromatopsia

228, 228, 228



Achromatomaly

209, 224, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 216, 252 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(176, 252, 244)` looks like.

```
.text, #text, p{  
    color:rgb(176, 252, 244)  
}
```

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(176, 252, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 252, 244) }
```

Border

The CSS property to change the border of an element to RYB 176, 216, 252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

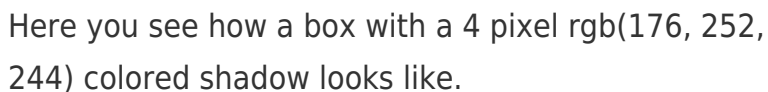
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 252, 244) }
```

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

```
.border{ border-color:rgb(176, 252, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 252, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 252, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 252, 244);  
box-shadow:4px 4px 4px 4px rgb(176, 252,  
244) }
```

Background

The CSS property to change the background color of an element to RYB 176, 216, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 252, 244) }
```

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

```
.background{ background-color: rgb(176,  
252, 244) }
```

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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