

Converting Colors

`RYB(181, 216, 255)`

Have a look what the booklet for
RYB(181, 216, 255) contains.

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Color

R_YB(181, 216, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B5F7FF
RGB	181, 247, 255
RGB Percent	71%, 97%, 100%
CMY	0.2902, 0.0298, 0.0000
CMYK	0.29, 0.03, 0.00, 0.00
HSL	186°, 100%, 85%
HSV	186°, 29%, 100%
XYZ	70.4924, 83.8165, 107.0706
YIQ	228.1780, -41.9040, -11.5040

Conversions

Conversions Part 2

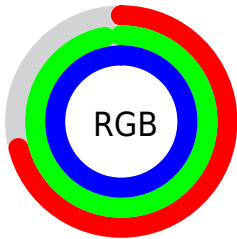
Format	Color
R _Y B	181, 216, 255
Decimal	11925503
CIE Lab	93.37, -18.84, -10.31
CIE LCh	93, 21.475, 208.704
Yxy	83.8165, 0.2697, 0.3207
Android (android.graphics.Color)	4290115583 (0xFFB5F7FF)
YUV	228.1780, 13.2232, -41.3751
Hunter-Lab	91.5513, -22.7740, -5.2546

Details

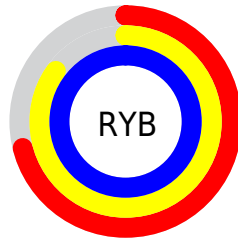
The RYB color **181, 216, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 190, 181**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **239, 247, 255**, and **126, 160, 198** is the 20% darker color. If you saturate the color by 10%, you get **156, 203, 255**, and if you desaturate by 10%, it is **207, 230, 255**.

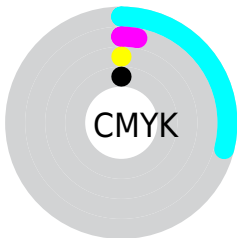
Distribution



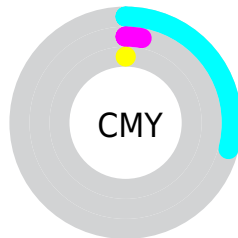
- Red (71%)
- Green (97%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 181, 216, 255 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 181, 216, 255 by changing the saturation by 10% instead.

 181, 216, 255

255, 255, 255


 239, 247, 255

 181, 216, 255

 153, 188, 226

 126, 160, 198

 99, 133, 171


 72, 106, 145

 44, 80, 119

 8, 49, 94

 0, 34, 71

 0, 22, 48

 0, 12, 27

■ 181, 216, 255

■ 181, 216, 255

■ 156, 203, 255

■ 207, 230, 255

■ 130, 189, 255

■ 232, 243, 255

■ 105, 176, 255

255, 255, 255

■ 79, 162, 255

■ 54, 149, 255

■ 28, 135, 255

■ 3, 122, 255

■ 0, 121, 255

Harmonies

Analogous

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



188, 222, 248



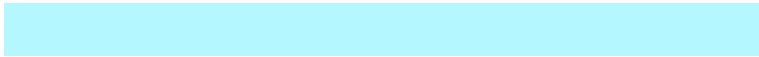
181, 216, 255



190, 219, 255

Triad

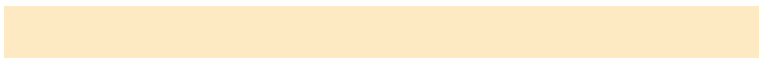
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



181, 216, 255



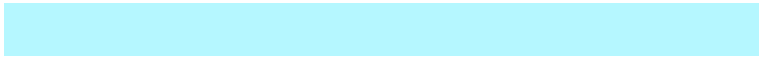
255, 225, 255



223, 253, 195

Complementary

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



181, 216, 255



255, 190, 181

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, 255, 201



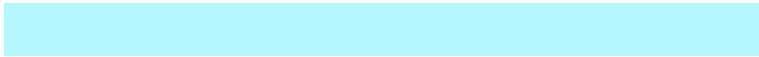
181, 216, 255



255, 222, 238

Square

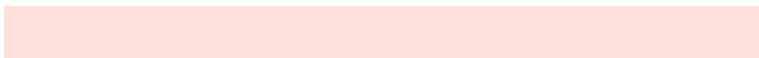
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



181, 216, 255



239, 231, 255



255, 224, 217



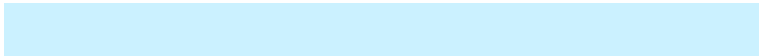
199, 241, 209

Rectangle

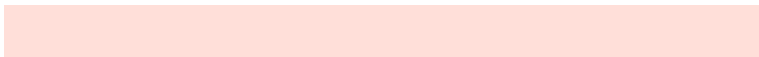
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



181, 216, 255



203, 225, 255



255, 224, 217



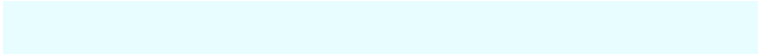
234, 255, 196

Sweetspot

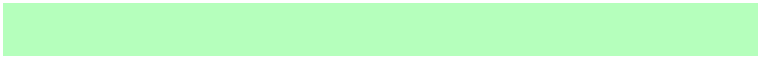
The Sweet Spot groups the original color and five complimentary colors.



181, 216, 255



232, 243, 255



181, 249, 255



113, 120, 128



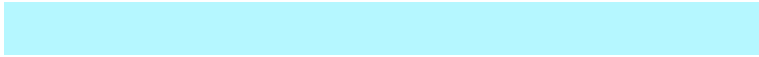
0, 0, 0



128, 128, 128

Same Dimension

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



181, 216, 255



166, 208, 255



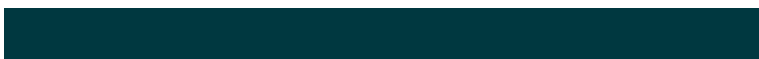
181, 202, 255



115, 121, 128



0, 91, 191



0, 30, 64

Inverse Universe

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



255, 181, 247



255, 166, 246



231, 255, 181



128, 115, 126



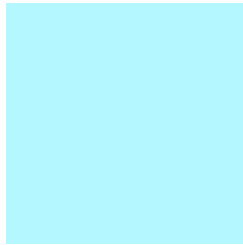
191, 0, 172



64, 0, 57

Previews

White Background



This preview shows how the RYB color 181, 216, 255 looks on a white background.

Color Contrast Check

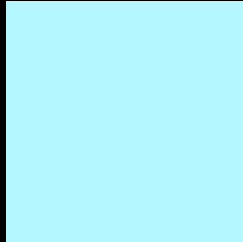
Large Text (above 18pt) WCAG AA × Fail

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 181, 216, 255 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 181, 216, 255 Background



This preview shows how black text looks on a background with the RYB color 181, 216, 255.

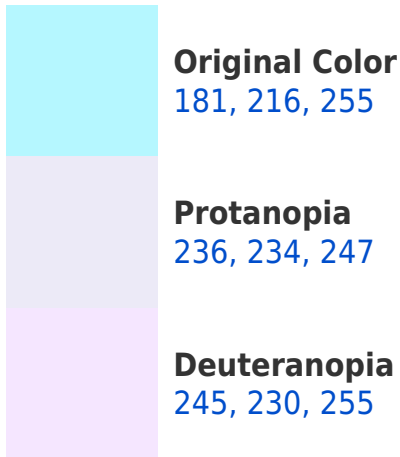


This preview shows how white text looks on a background with the RYB color 181, 216, 255.

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





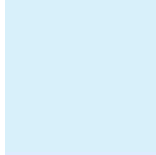
Tritanopia
204, 226, 255

Trichromacy



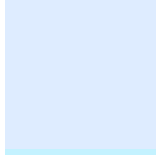
Original Color

181, 216, 255



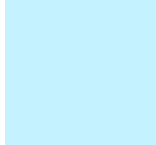
Protanomaly

216, 230, 250



Deuteranomaly

222, 232, 255



Tritanomaly

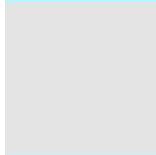
196, 222, 255

Monochromacy



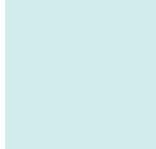
Original Color

181, 216, 255



Achromatopsia

228, 228, 228



Achromatomaly

211, 224, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 216, 255 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(181, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 247, 255)  
}
```

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(181, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 247, 255) }
```

Border

The CSS property to change the border of an element to RYB 181, 216, 255 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(181, 247, 255) }
```

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

```
.border{ border-color:rgb(181, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 247,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 181, 216, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 247, 255) }
```

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

```
.background{ background-color: rgb(181,  
247, 255) }
```

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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