

Converting Colors

`RYB(166, 219, 242)`

Have a look what the booklet for
RYB(166, 219, 242) contains.

RYB(166, 219, 242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(166, 219, 242)

Conversions

Conversions Part 1

Format	Color
Hex	A6F2C7
RGB	166, 242, 199
RGB Percent	65%, 95%, 78%
CMY	0.3490, 0.0510, 0.2197
CMYK	0.31, 0.00, 0.18, 0.05
HSL	146°, 75%, 80%
HSV	146°, 31%, 95%
XYZ	57.7846, 75.7339, 65.5939
YIQ	214.3740, -31.4930, -29.4850

Conversions

Conversions Part 2

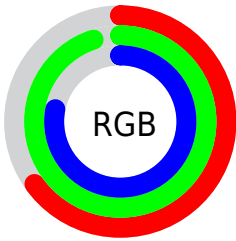
Format	Color
RYB	166, 219, 242
Decimal	10941127
CIELab	89.74, -32.18, 13.39
CIELCh	90, 34.858, 157.412
Yxy	75.7339, 0.2902, 0.3804
Android (android.graphics.Color)	4289131207 (0xFFA6F2C7)
YUV	214.3740, -7.5794, -42.4240
Hunter-Lab	87.0252, -33.7704, 16.2288

Details

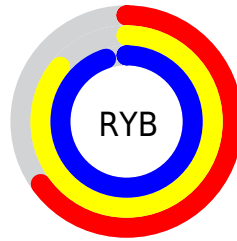
The RYB color **166, 219, 242** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **242, 166, 209**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **223, 239, 255**, and **112, 163, 186** is the 20% darker color. If you saturate the color by 10%, you get **142, 212, 242**, and if you desaturate by 10%, it is **190, 226, 242**.

Distribution



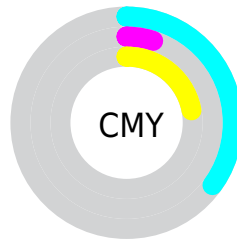
- Red (65%)
- Green (95%)
- Blue (78%)



- Red (65%)
- Yellow (86%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)



- Cyan (35%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 219, 242 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 166, 219, 242 by changing the saturation by 10% instead.

 166, 219, 242


255, 255, 255


 223, 239, 255

 252, 254, 255

 166, 219, 242

 139, 190, 213

 112, 163, 186


 85, 135, 158

 58, 107, 132

 30, 79, 106

 0, 52, 82

 0, 40, 58

 0, 36, 37

 0, 0, 0

 166, 219, 242


 166, 219, 242

 142, 212, 242


 190, 226, 242

 118, 204, 242


 214, 234, 242

 93, 197, 242


 239, 241, 242

 69, 190, 242

 255, 242, 254

 45, 183, 242

 255, 242, 255

 21, 175, 242

 0, 169, 242

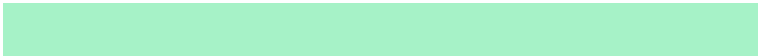
Harmonies

Analogous

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



172, 236, 203



166, 219, 242



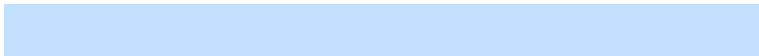
133, 191, 244

Triad

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



166, 219, 242



195, 215, 255



255, 211, 187

Complementary

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



166, 219, 242



242, 166, 209

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, 201, 218



166, 219, 242



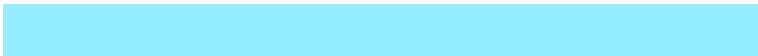
241, 214, 255

Square

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



166, 219, 242



149, 197, 255



255, 204, 252



237, 255, 165

Rectangle

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



166, 219, 242



122, 185, 255



255, 204, 252



255, 204, 197

Sweetspot

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



166, 219, 242



232, 248, 255



166, 242, 199



113, 123, 128



0, 0, 0



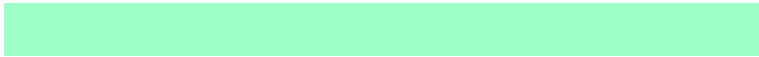
128, 128, 128

Same Dimension

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



166, 219, 242



158, 226, 255



166, 205, 242



108, 116, 120



0, 128, 184



0, 39, 56

Inverse Universe

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



242, 166, 209



255, 158, 213



242, 166, 171



120, 108, 115



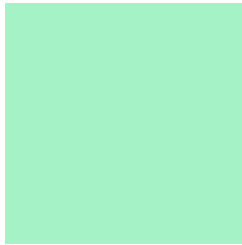
184, 0, 104



56, 0, 32

Previews

White Background



This preview shows how the RYB color 166, 219, 242 looks on a white background.

Color Contrast Check

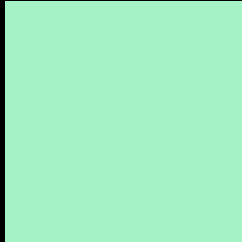
Large Text (above 18pt) WCAG AA × Fail

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 166, 219, 242 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 166, 219, 242 Background



This preview shows how black text looks on a background with the RYB color 166, 219, 242.



This preview shows how white text looks on a background with the RYB color 166, 219, 242.

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





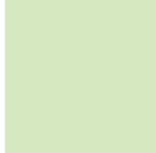
Tritanopia
177, 210, 253

Trichromacy



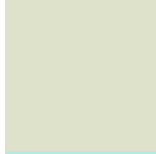
Original Color

166, 219, 242



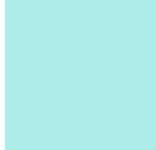
Protanomaly

193, 231, 213



Deuteranomaly

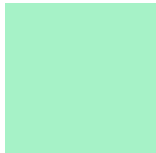
202, 226, 206



Tritanomaly

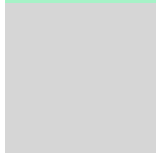
173, 206, 237

Monochromacy



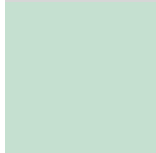
Original Color

166, 219, 242



Achromatopsia

214, 214, 214



Achromatomaly

197, 216, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 219, 242 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(166, 242, 199)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 199)  
}
```

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(166, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 199) }
```

Border

The CSS property to change the border of an element to RYB 166, 219, 242 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(166, 242, 199) }
```

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

```
.border{ border-color:rgb(166, 242, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 242, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 166, 219, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 242, 199) }
```

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

```
.background{ background-color: rgb(166,  
242, 199) }
```

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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