

Converting Colors

`RYB(166, 207, 242)`

Have a look what the booklet for
RYB(166, 207, 242) contains.

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Color

R_YB(166, 207, 242)

Conversions

Conversions Part 1

Format	Color
Hex	A6F2E7
RGB	166, 242, 231
RGB Percent	65%, 95%, 91%
CMY	0.3490, 0.0510, 0.0946
CMYK	0.31, 0.00, 0.05, 0.05
HSL	171°, 75%, 80%
HSV	171°, 31%, 95%
XYZ	61.8846, 77.3739, 87.1840
YIQ	218.0220, -41.7650, -19.5330

Conversions

Conversions Part 2

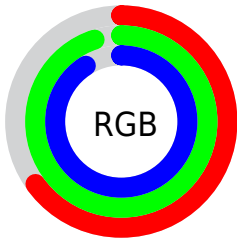
Format	Color
R_{YB}	166, 207, 242
Decimal	10941159
CIE _{Lab}	90.49, -25.66, -2.11
CIE _{LCh}	90, 25.747, 184.699
Yxy	77.3739, 0.2733, 0.3417
Android (android.graphics.Color)	4289131239 (0xFFA6F2E7)
YUV	218.0220, 6.3982, -45.6233
Hunter-Lab	87.9624, -28.3533, 2.8084

Details

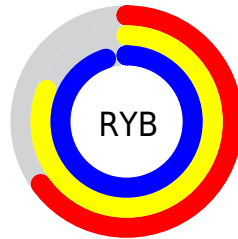
The RYB color **166, 207, 242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **242, 166, 177**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **223, 239, 255**, and **111, 151, 186** is the 20% darker color. If you saturate the color by 10%, you get **142, 196, 242**, and if you desaturate by 10%, it is **190, 218, 242**.

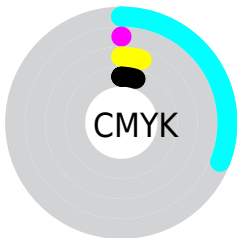
Distribution



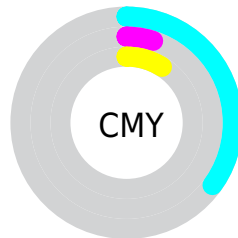
- Red (65%)
- Green (95%)
- Blue (91%)



- Red (65%)
- Yellow (81%)
- Blue (95%)



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



- Cyan (35%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 207, 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, 207, 242 by changing the saturation by 10% instead.

■ 166, 207, 242

255, 255, 255

■ 223, 239, 255

■ 252, 254, 255

■ 166, 207, 242

■ 138, 178, 213

■ 111, 151, 186

■ 84, 124, 159

■ 57, 97, 132

■ 26, 69, 107

■ 0, 43, 82


■ 0, 31, 59

■ 0, 20, 37


■ 0, 3, 7

 166, 207, 242


 166, 207, 242

 142, 196, 242


 190, 218, 242

 118, 185, 242


 214, 229, 242

 93, 173, 242


 239, 241, 242

 69, 162, 242

 255, 242, 245

 45, 151, 242

 255, 242, 249

 21, 140, 242

 255, 242, 252

 0, 130, 242

 255, 242, 255

Harmonies

Analogous

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



188, 227, 240



166, 207, 242



160, 204, 255

Triad

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



166, 207, 242



237, 220, 255



255, 253, 184

Complementary

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



166, 207, 242



242, 166, 177

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, 201



166, 207, 242



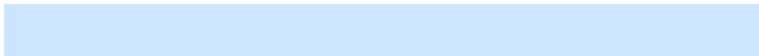
255, 213, 249

Square

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



166, 207, 242



204, 221, 255



255, 210, 225



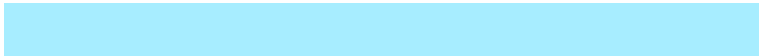
200, 243, 179

Rectangle

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



166, 207, 242



167, 206, 255



255, 210, 225



255, 239, 188

Sweetspot

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



166, 207, 242



232, 244, 255



166, 242, 231



113, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



166, 207, 242



158, 210, 255



166, 196, 242



108, 115, 120



0, 99, 184



0, 30, 56

Inverse Universe

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



242, 166, 177



255, 158, 172



242, 208, 166



120, 108, 110



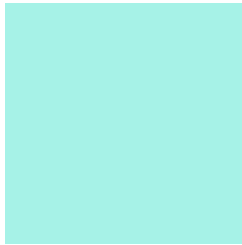
184, 0, 27



56, 0, 8

Previews

White Background



This preview shows how the RYB color 166, 207, 242 looks on a white background.

Color Contrast Check

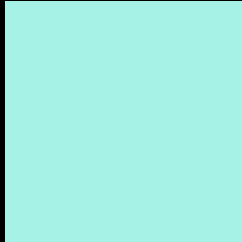
Large Text (above 18pt) WCAG AA × Fail

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, 207, 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, 207, 242 Background



This preview shows how black text looks on a background with the RYB color 166, 207, 242.

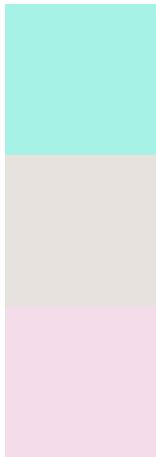


This preview shows how white text looks on a background with the RYB color 166, 207, 242.

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



Original Color
166, 207, 242

Protanopia
232, 229, 222

Deuteranopia
245, 220, 235



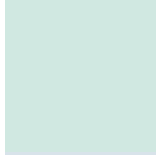
Tritanopia
177, 211, 255

Trichromacy



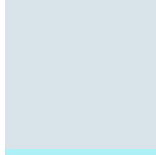
Original Color

166, 207, 242



Protanomaly

208, 222, 232



Deuteranomaly

216, 223, 234



Tritanomaly

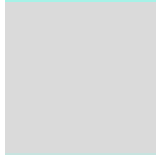
173, 208, 246

Monochromacy



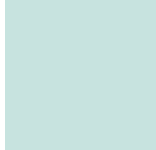
Original Color

166, 207, 242



Achromatopsia

218, 218, 218



Achromatomaly

199, 214, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 207, 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 231) }
```

Border

The CSS property to change the border of an element to RYB 166, 207, 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, 231) }
```

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

```
.border{ border-color:rgb(166, 242, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 166, 207, 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, 231) }
```

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

```
.background{ background-color: rgb(166,  
242, 231) }
```

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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