

Converting Colors

`RYB(156, 201, 239)`

Have a look what the booklet for
RYB(156, 201, 239) contains.

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Color

RYB(156, 201, 239)

Conversions

Conversions Part 1

Format	Color
Hex	9CEFE2
RGB	156, 239, 226
RGB Percent	61%, 94%, 89%
CMY	0.3882, 0.0627, 0.1134
CMYK	0.35, 0.00, 0.05, 0.06
HSL	171°, 72%, 77%
HSV	171°, 35%, 94%
XYZ	58.3165, 74.2968, 83.2826
YIQ	212.7010, -45.2950, -21.6390

Conversions

Conversions Part 2

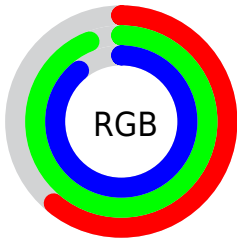
Format	Color
RYB	156, 201, 239
Decimal	10285026
CIELab	89.06, -27.99, -1.76
CIELCh	89, 28.043, 183.606
Yxy	74.2968, 0.2701, 0.3441
Android (android.graphics.Color)	4288475106 (0xFF9CEFE2)
YUV	212.7010, 6.5564, -49.7268
Hunter-Lab	86.1956, -30.0763, 3.0506

Details

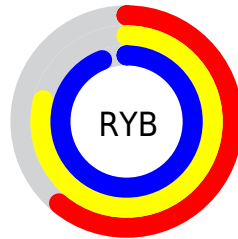
The RYB color **156, 201, 239** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **239, 156, 169**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **213, 234, 255**, and **101, 145, 183** is the 20% darker color. If you saturate the color by 10%, you get **132, 190, 239**, and if you desaturate by 10%, it is **180, 212, 239**.

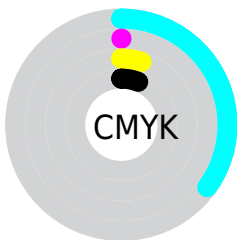
Distribution



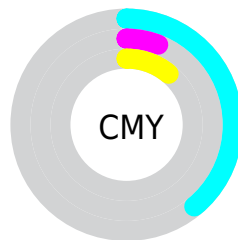
- Red (61%)
- Green (94%)
- Blue (89%)



- Red (61%)
- Yellow (79%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (39%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 201, 239 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 156, 201, 239 by changing the saturation by 10% instead.


 156, 201, 239


255, 255, 255


 213, 234, 255

 242, 249, 255

 156, 201, 239

 128, 173, 211

 101, 145, 183

 73, 118, 156

 44, 89, 129

 1, 55, 104

 0, 42, 79

 0, 30, 56

 0, 20, 35

 0, 0, 0

156, 201, 239

156, 201, 239

132, 190, 239

180, 212, 239

108, 179, 239

204, 223, 239

84, 168, 239

228, 234, 239

60, 157, 239

252, 239, 241

37, 146, 239

255, 239, 245

13, 135, 239

255, 239, 248

0, 130, 239

255, 239, 252

255, 239, 255

Harmonies

Analogous

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



181, 223, 237



156, 201, 239



148, 196, 252

Triad

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



156, 201, 239



232, 216, 255



255, 247, 177

Complementary

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



156, 201, 239



239, 156, 169

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, 210, 195



156, 201, 239



255, 208, 248

Square

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



156, 201, 239



196, 215, 255



255, 205, 221



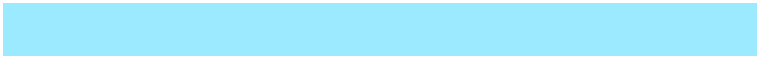
194, 241, 170

Rectangle

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



156, 201, 239



155, 199, 255



255, 205, 221



255, 230, 182

Sweetspot

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



156, 201, 239



230, 244, 255



156, 239, 225



112, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



156, 201, 239



148, 206, 255



156, 189, 239



108, 115, 120



0, 100, 184



0, 30, 56

Inverse Universe

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



239, 156, 169



255, 148, 165



239, 198, 156



120, 108, 110



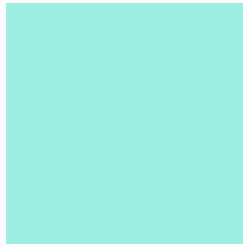
184, 0, 29



56, 0, 9

Previews

White Background



This preview shows how the RYB color 156, 201, 239 looks on a white background.

Color Contrast Check

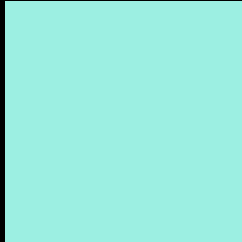
Large Text (above 18pt) WCAG AA × Fail

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 156, 201, 239 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

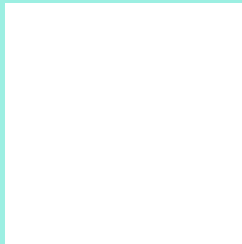
Any Text WCAG AAA ✓ Pass

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

RYB 156, 201, 239 Background



This preview shows how black text looks on a background with the RYB color 156, 201, 239.

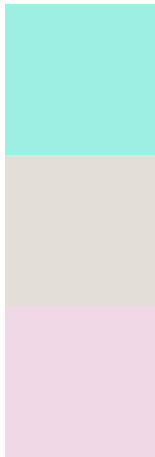


This preview shows how white text looks on a background with the RYB color 156, 201, 239.

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
156, 201, 239

Protanopia
228, 228, 216

Deuteranopia
241, 216, 231



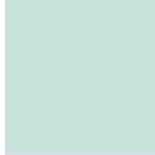
Tritanopia
163, 203, 254

Trichromacy



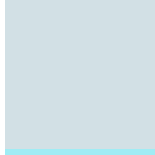
Original Color

156, 201, 239



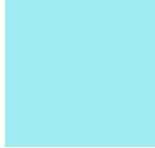
Protanomaly

202, 217, 228



Deuteranomaly

210, 218, 229



Tritanomaly

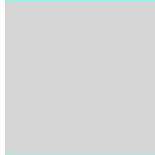
160, 200, 244

Monochromacy



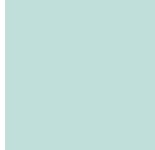
Original Color

156, 201, 239



Achromatopsia

213, 213, 213



Achromatomaly

192, 208, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 201, 239 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(156, 239, 226)` looks like.

```
.text, #text, p{  
    color:rgb(156, 239, 226)  
}
```

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(156, 239, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 239, 226) }
```

Border

The CSS property to change the border of an element to RYB 156, 201, 239 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(156, 239, 226) }
```

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

```
.border{ border-color:rgb(156, 239, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 239, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 239, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 239, 226);  
box-shadow:4px 4px 4px 4px rgb(156, 239,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 156, 201, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 239, 226) }
```

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

```
.background{ background-color: rgb(156,  
239, 226) }
```

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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