

Converting Colors

`RYB(156, 198, 227)`

Have a look what the booklet for
RYB(156, 198, 227) contains.

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Color

$\text{RYB}(156, 198, 227)$

Conversions

Conversions Part 1

Format	Color
Hex	9CE3CD
RGB	156, 227, 205
RGB Percent	61%, 89%, 80%
CMY	0.3882, 0.1098, 0.1960
CMYK	0.31, 0.00, 0.10, 0.11
HSL	161°, 56%, 75%
HSV	161°, 31%, 89%
XYZ	52.2017, 66.4150, 67.8407
YIQ	203.2630, -35.2540, -21.8940

Conversions

Conversions Part 2

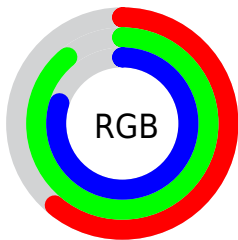
Format	Color
RYB	156, 198, 227
Decimal	10281933
CIELab	85.21, -26.77, 3.68
CIELCh	85, 27.024, 172.183
Yxy	66.4150, 0.2800, 0.3562
Android (android.graphics.Color)	4288472013 (0xFF9CE3CD)
YUV	203.2630, 0.8563, -41.4497
Hunter-Lab	81.4954, -28.2792, 7.6909

Details

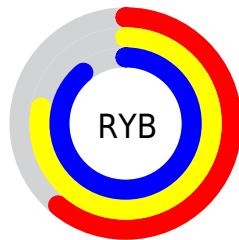
The RYB color **156, 198, 227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **227, 156, 178**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **212, 234, 255**, and **102, 142, 171** is the 20% darker color. If you saturate the color by 10%, you get **133, 189, 227**, and if you desaturate by 10%, it is **179, 207, 227**.

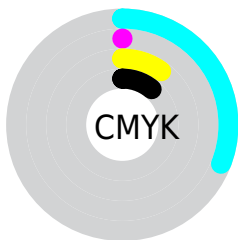
Distribution



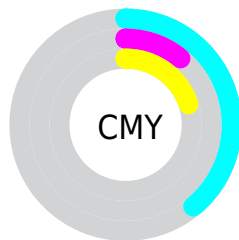
- Red (61%)
- Green (89%)
- Blue (80%)



- Red (61%)
- Yellow (78%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (39%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 198, 227 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, 198, 227 by changing the saturation by 10% instead.

 156, 198, 227

255, 255, 255


 212, 234, 255

 241, 248, 255

 156, 198, 227

 129, 170, 199

 102, 142, 171

 76, 116, 145

 49, 89, 119

 19, 62, 94

 0, 40, 70

 0, 28, 47

 0, 20, 27

 0, 0, 0

■ 156, 198, 227

■ 156, 198, 227

■ 133, 189, 227

■ 179, 207, 227

■ 111, 180, 227

■ 201, 216, 227

■ 88, 170, 227

■ 224, 226, 227

■ 65, 161, 227

■ 247, 227, 233

■ 43, 152, 227

■ 255, 227, 240

■ 20, 142, 227

■ 255, 227, 247

■ 0, 134, 227

■ 255, 227, 254

■ 255, 227, 255

Harmonies

Analogous

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



181, 224, 222



156, 198, 227



141, 185, 231

Triad

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



156, 198, 227



208, 209, 255



255, 215, 174

Complementary

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



156, 198, 227



227, 156, 178

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, 195, 195



156, 198, 227



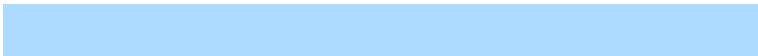
239, 200, 244

Square

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



156, 198, 227



173, 202, 255



255, 195, 221



210, 238, 163

Rectangle

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



156, 198, 227



142, 188, 246



255, 195, 221



255, 204, 180

Sweetspot

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



156, 198, 227



232, 246, 255



156, 227, 205



113, 122, 128



0, 0, 0



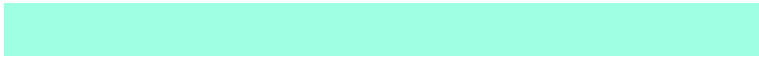
128, 128, 128

Same Dimension

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



156, 198, 227



158, 215, 255



156, 188, 227



103, 110, 115



0, 106, 179



0, 30, 51

Inverse Universe

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



227, 156, 178



255, 158, 188



227, 172, 156



115, 103, 107



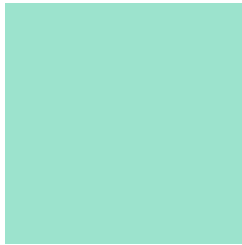
179, 0, 55



51, 0, 16

Previews

White Background



This preview shows how the RYB color 156, 198, 227 looks on a white background.

Color Contrast Check

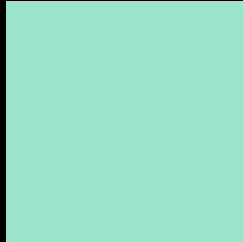
Large Text (above 18pt) WCAG AA × Fail

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, 198, 227 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

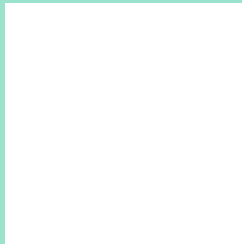
Any Text WCAG AAA ✓ Pass

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

RYB 156, 198, 227 Background



This preview shows how black text looks on a background with the RYB color 156, 198, 227.

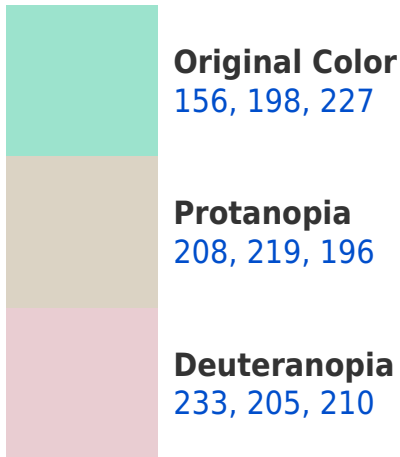


This preview shows how white text looks on a background with the RYB color 156, 198, 227.

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
164, 197, 240

Trichromacy



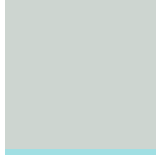
Original Color

156, 198, 227



Protanomaly

196, 214, 217



Deuteranomaly

205, 211, 213



Tritanomaly

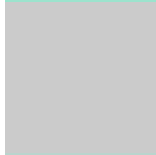
161, 193, 227

Monochromacy



Original Color

156, 198, 227



Achromatopsia

203, 203, 203



Achromatomaly

186, 201, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 198, 227 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, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(156, 227, 205)  
}
```

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, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 227, 205) }
```

Border

The CSS property to change the border of an element to RYB 156, 198, 227 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, 227, 205) }
```

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

```
.border{ border-color:rgb(156, 227, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 227, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(156, 227,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 156, 198, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 227, 205) }
```

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

```
.background{ background-color: rgb(156,  
227, 205) }
```

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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