

Converting Colors

`RYB(157, 182, 238)`

Have a look what the booklet for
RYB(157, 182, 238) contains.

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Color

R_YB(157, 182, 238)

Conversions

Conversions Part 1

Format	Color
Hex	9DC1EE
RGB	157, 193, 238
RGB Percent	62%, 76%, 93%
CMY	0.3843, 0.2425, 0.0667
CMYK	0.34, 0.19, 0.00, 0.07
HSL	213°, 70%, 77%
HSV	213°, 34%, 93%
XYZ	48.4428, 51.5522, 88.2863
YIQ	187.3660, -35.9010, 6.3630

Conversions

Conversions Part 2

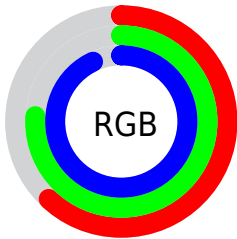
Format	Color
RYB	157, 182, 238
Decimal	10338798
CIELab	77.01, -1.52, -26.13
CIELCh	77, 26.176, 266.666
Yxy	51.5522, 0.2573, 0.2738
Android (android.graphics.Color)	4288528878 (0xFF9DC1EE)
YUV	187.3660, 24.9626, -26.6310
Hunter-Lab	71.7998, -5.2173, -22.6441

Details

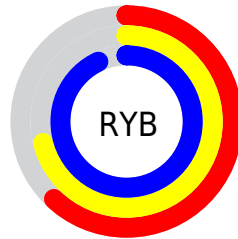
The RYB color **157, 182, 238** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **222, 238, 157**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **213, 232, 255**, and **103, 128, 182** is the 20% darker color. If you saturate the color by 10%, you get **133, 165, 238**, and if you desaturate by 10%, it is **181, 198, 238**.

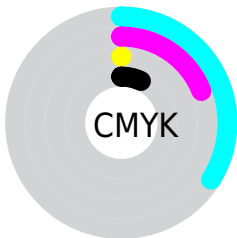
Distribution



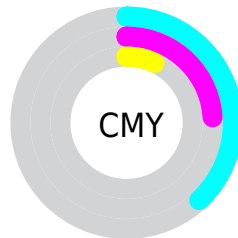
- Red (62%)
- Green (76%)
- Blue (93%)



- Red (62%)
- Yellow (71%)
- Blue (93%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 182, 238 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 157, 182, 238 by changing the saturation by 10% instead.

■ 157, 182, 238

255, 255, 255

■ 213, 233, 255

■ 242, 249, 255

■ 157, 182, 238

■ 130, 155, 210

■ 103, 128, 182

■ 76, 102, 155

■ 49, 76, 129

■ 19, 50, 104

■ 0, 29, 79

■ 0, 17, 56

■ 0, 2, 35

■ 0, 0, 9

■ 157, 182, 238

■ 157, 182, 238

■ 133, 165, 238

■ 181, 198, 238

■ 109, 149, 238

■ 205, 215, 238

■ 86, 133, 238

■ 228, 231, 238

■ 62, 116, 238

■ 249, 252, 238

■ 38, 100, 238

■ 238, 255, 238

■ 14, 83, 238

■ 0, 73, 238

Harmonies

Analogous

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



129, 171, 230



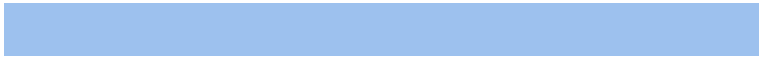
157, 182, 238



191, 185, 233

Triad

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



157, 182, 238



239, 174, 170



157, 196, 201

Complementary

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



157, 182, 238



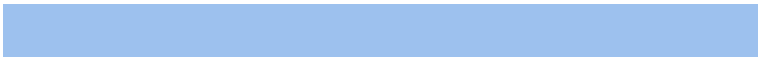
222, 238, 157

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.



146, 195, 156



157, 182, 238



230, 197, 151

Square

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



157, 182, 238



236, 173, 194



177, 211, 142



133, 174, 204

Rectangle

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



157, 182, 238



210, 179, 224



177, 211, 142



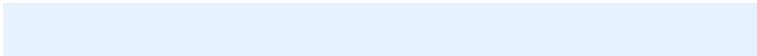
156, 199, 189

Sweetspot

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



157, 182, 238



230, 238, 255



157, 209, 238



112, 117, 128



0, 0, 0



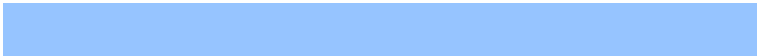
128, 128, 128

Same Dimension

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



157, 182, 238



150, 182, 255



161, 157, 238



108, 112, 120



0, 57, 184



0, 17, 56

Inverse Universe

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



238, 157, 193



255, 150, 197



157, 238, 161



120, 108, 113



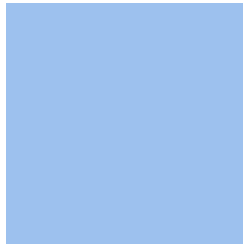
184, 0, 82



56, 0, 25

Previews

White Background



This preview shows how the RYB color 157, 182, 238 looks on a white background.

Color Contrast Check

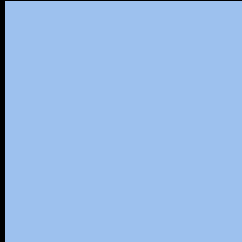
Large Text (above 18pt) WCAG AA × Fail

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 157, 182, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

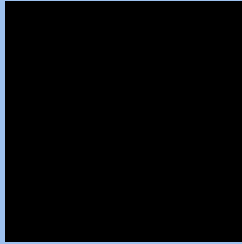
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

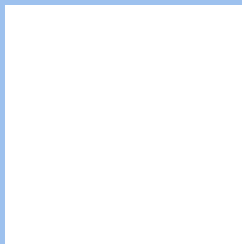
Any Text WCAG AAA ✓ Pass

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

RYB 157, 182, 238 Background



This preview shows how black text looks on a background with the RYB color 157, 182, 238.



This preview shows how white text looks on a background with the RYB color 157, 182, 238.

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
157, 182, 238

Protanopia
179, 187, 234

Deuteranopia
182, 186, 240



Tritanopia
151, 177, 213

Trichromacy



Original Color
157, 182, 238

Protanomaly
171, 186, 235

Deuteranomaly
173, 186, 239

Tritanomaly
153, 179, 222

Monochromacy



Original Color
157, 182, 238

Achromatopsia
187, 187, 187

Achromatomaly
176, 185, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 182, 238 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(157, 193, 238)` looks like.

```
.text, #text, p{  
    color:rgb(157, 193, 238)  
}
```

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(157, 193, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 193, 238) }
```

Border

The CSS property to change the border of an element to RYB 157, 182, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

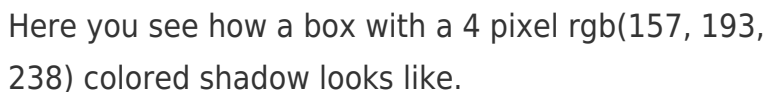
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 193, 238) }
```

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

```
.border{ border-color:rgb(157, 193, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 193, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 193, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 193, 238);  
box-shadow:4px 4px 4px 4px rgb(157, 193,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 157, 182, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 193, 238) }
```

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

```
.background{ background-color: rgb(157,  
193, 238) }
```

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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