

Converting Colors

`RYB(159, 186, 227)`

Have a look what the booklet for RYB(159, 186, 227) contains.

RYB(159, 186, 227)	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

$\text{RYB}(159, 186, 227)$

Conversions

Conversions Part 1

Format	Color
Hex	9FCCE3
RGB	159, 204, 227
RGB Percent	62%, 80%, 89%
CMY	0.3765, 0.2009, 0.1098
CMYK	0.30, 0.10, 0.00, 0.11
HSL	200°, 55%, 76%
HSV	200°, 30%, 89%
XYZ	49.7039, 55.9984, 80.8621
YIQ	193.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

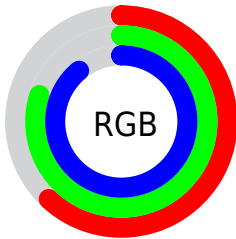
Format	Color
R_{YB}	159, 186, 227
Decimal	10472675
CIE _{Lab}	79.61, -9.30, -16.27
CIE _{LCh}	80, 18.735, 240.254
Yxy	55.9984, 0.2664, 0.3002
Android (android.graphics.Color)	4288662755 (0xFF9FCCE3)
YUV	193.1670, 16.6797, -29.9645
Hunter-Lab	74.8321, -12.3954, -11.6852

Details

The RYB color **159, 186, 227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **227, 194, 159**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **215, 235, 255**, and **105, 132, 172** is the 20% darker color. If you saturate the color by 10%, you get **136, 172, 227**, and if you desaturate by 10%, it is **182, 200, 227**.

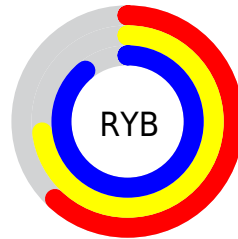
Distribution



Red (62%)

Green (80%)

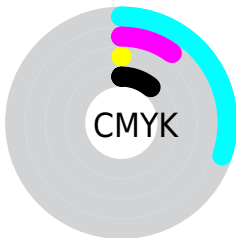
Blue (89%)



Red (62%)

Yellow (73%)

Blue (89%)

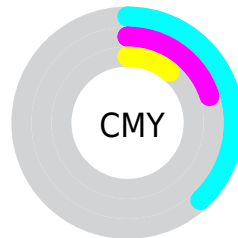


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 186, 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 159, 186, 227 by changing the saturation by 10% instead.


 159, 186, 227

255, 255, 255


 215, 235, 255

 244, 250, 255

 159, 186, 227


 132, 159, 199


 105, 132, 172

 79, 106, 145

 54, 81, 119

 26, 55, 95

 0, 30, 71

 0, 19, 48

 0, 1, 28

 0, 0, 0

■ 159, 186, 227

■ 159, 186, 227

■ 136, 172, 227

■ 182, 200, 227

■ 114, 159, 227

■ 204, 213, 227

■ 91, 145, 227

■ 227, 227, 227

■ 68, 131, 227

■ 250, 239, 227

■ 46, 118, 227

■ 248, 255, 227

■ 23, 104, 227

■ 233, 255, 227

■ 0, 90, 227

■ 227, 255, 227

■ 0, 90, 227

Harmonies

Analogous

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



151, 181, 214



159, 186, 227



178, 193, 232

Triad

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



159, 186, 227



232, 185, 198



167, 202, 177

Complementary

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



159, 186, 227



227, 194, 159

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.



185, 211, 163



159, 186, 227



234, 187, 180

Square

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



159, 186, 227



220, 188, 215



226, 203, 168



172, 200, 206

Rectangle

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



159, 186, 227



193, 195, 230



226, 203, 168



164, 200, 166

Sweetspot

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



159, 186, 227



232, 241, 255



159, 210, 227



113, 119, 128



0, 0, 0



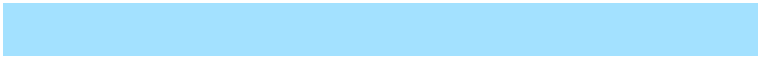
128, 128, 128

Same Dimension

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



159, 186, 227



163, 200, 255



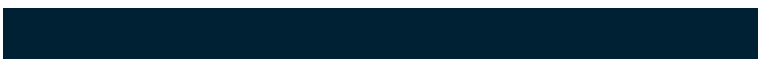
159, 168, 227



103, 108, 115



0, 71, 179



0, 20, 51

Inverse Universe

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



227, 159, 204



255, 163, 224



172, 227, 159



115, 103, 111



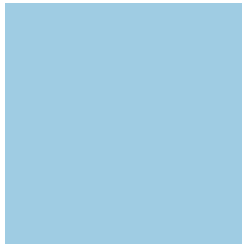
179, 0, 118



51, 0, 34

Previews

White Background



This preview shows how the RYB color 159, 186, 227 looks on a white background.

Color Contrast Check

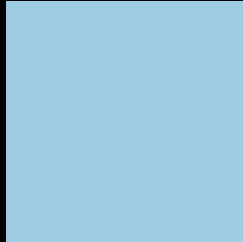
Large Text (above 18pt) WCAG AA × Fail

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 159, 186, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

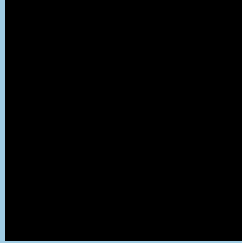
Any Text WCAG AA ✓ Pass

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](#).

R Y B 159, 186, 227 Background



This preview shows how black text looks on a background with the R Y B color 159, 186, 227.



This preview shows how white text looks on a background with the R Y B color 159, 186, 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](#).

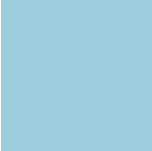
Dichromacy



Original Color
159, 186, 227

Protanopia
193, 195, 221

Deuteranopia
200, 192, 229

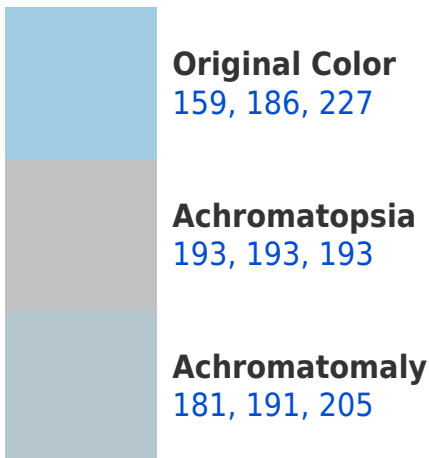


Tritanopia
158, 185, 221

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 186, 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(159, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(159, 204, 227)  
}
```

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(159, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 204, 227) }
```

Border

The CSS property to change the border of an element to RYB 159, 186, 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(159, 204, 227) }
```

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

```
.border{ border-color:rgb(159, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 204, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 204, 227); box-shadow:4px 4px 4px 4px rgb(159, 204, 227) }
```

Background

The CSS property to change the background color of an element to RYB 159, 186, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 204, 227) }
```

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

```
.background{ background-color: rgb(159,  
204, 227) }
```

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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