

Converting Colors

`RYB(81, 173, 223)`

Have a look what the booklet for
RYB(81, 173, 223) contains.

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Color

$\text{RYB}(81, 173, 223)$

Conversions

Conversions Part 1

Format	Color
Hex	51DF9E
RGB	81, 223, 158
RGB Percent	32%, 87%, 62%
CMY	0.6824, 0.1255, 0.3797
CMYK	0.64, 0.00, 0.29, 0.13
HSL	153°, 69%, 60%
HSV	153°, 64%, 87%
XYZ	35.9676, 56.9993, 41.5326
YIQ	173.1320, -63.7670, -50.3190

Conversions

Conversions Part 2

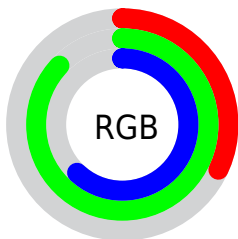
Format	Color
RYB	81, 173, 223
Decimal	5365662
CIELab	80.18, -52.91, 20.78
CIELCh	80, 56.845, 158.558
Yxy	56.9993, 0.2674, 0.4238
Android (android.graphics.Color)	4283555742 (0xFF51DF9E)
YUV	173.1320, -7.4601, -80.7998
Hunter-Lab	75.4979, -47.0830, 20.2322

Details

The RYB color **81, 173, 223** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **223, 81, 146**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **143, 212, 255**, and **0, 102, 167** is the 20% darker color. If you saturate the color by 10%, you get **59, 165, 223**, and if you desaturate by 10%, it is **103, 181, 223**.

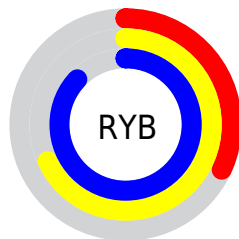
Distribution



Red (32%)

Green (87%)

Blue (62%)



Red (32%)

Yellow (68%)

Blue (87%)

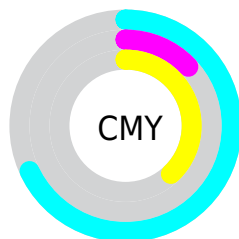


Cyan (64%)

Magenta (0%)

Yellow (29%)

Black (13%)



Cyan (68%)

















Magenta (13%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 173, 223 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 81, 173, 223 by changing the saturation by 10% instead.

 81, 173, 223	 81, 173, 223
 255, 255, 255	 43, 139, 195
 143, 212, 255	 0, 102, 167
 174, 218, 255	 0, 88, 140
 204, 230, 255	 0, 74, 113
 234, 245, 255	 0, 62, 88
	 0, 51, 63
	 0, 40, 40
	 0, 1, 1
	 0, 0, 0

■ 81, 173, 223

■ 81, 173, 223

■ 59, 165, 223

■ 103, 181, 223

■ 36, 157, 223

■ 126, 189, 223

■ 14, 149, 223

■ 148, 196, 223

■ 0, 145, 223

■ 170, 204, 223

■ 193, 213, 223

■ 215, 220, 223

■ 237, 223, 229

■ 255, 223, 240

■ 255, 223, 250

Harmonies

Analogous

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



113, 215, 169



81, 173, 223



0, 116, 226

Triad

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



81, 173, 223



136, 177, 255



255, 173, 135

Complementary

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



81, 173, 223



223, 81, 146

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, 154, 186



81, 173, 223



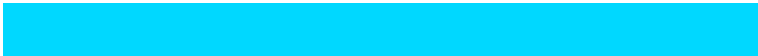
223, 179, 255

Square

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



81, 173, 223



0, 117, 255



255, 160, 239



236, 255, 99

Rectangle

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



81, 173, 223



0, 118, 248



255, 160, 239



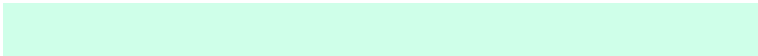
255, 160, 151

Sweetspot

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



81, 173, 223



207, 238, 255



81, 223, 157



98, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 173, 223



61, 186, 255



81, 151, 223



101, 108, 112



0, 114, 176



0, 31, 48

Inverse Universe

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



223, 81, 146



255, 61, 150



223, 86, 81



112, 101, 106



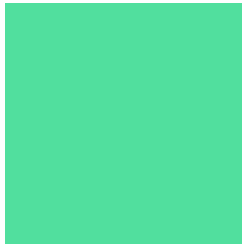
176, 0, 80



48, 0, 22

Previews

White Background



This preview shows how the RYB color 81, 173, 223 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 81, 173, 223 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 81, 173, 223 Background



This preview shows how black text looks on a background with the RYB color 81, 173, 223.

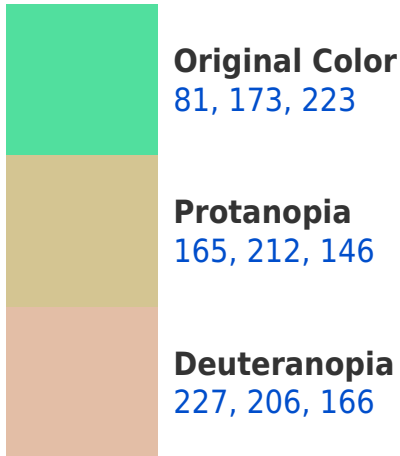


This preview shows how white text looks on a background with the RYB color 81, 173, 223.

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
107, 164, 231

Trichromacy



Original Color

81, 173, 223



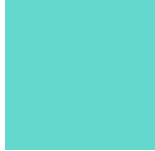
Protanomaly

150, 206, 192



Deuteranomaly

163, 202, 191



Tritanomaly

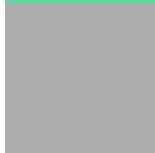
98, 161, 217

Monochromacy



Original Color

81, 173, 223



Achromatopsia

173, 173, 173



Achromatomaly

140, 173, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 173, 223 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(81, 223, 158)` looks like.

```
.text, #text, p{  
    color:rgb(81, 223, 158)  
}
```

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(81, 223, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 223, 158) }
```

Border

The CSS property to change the border of an element to RYB 81, 173, 223 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(81, 223, 158) }
```

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

```
.border{ border-color:rgb(81, 223, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 223, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 223, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 223, 158);  
box-shadow:4px 4px 4px 4px rgb(81, 223,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 81, 173, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 223, 158) }
```

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

```
.background{ background-color: rgb(81, 223,  
158) }
```

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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