

Converting Colors

`RYB(81, 163, 226)`

Have a look what the booklet for
RYB(81, 163, 226) contains.

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Color

`RYB(81, 163, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	51E2C0
RGB	81, 226, 192
RGB Percent	32%, 89%, 75%
CMY	0.6824, 0.1137, 0.2455
CMYK	0.64, 0.00, 0.15, 0.11
HSL	166°, 71%, 60%
HSV	166°, 64%, 89%
XYZ	40.1488, 59.9657, 59.5618
YIQ	178.7690, -75.5060, -41.3140

Conversions

Conversions Part 2

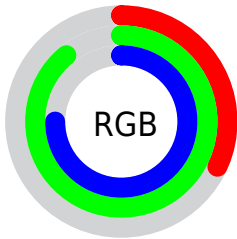
Format	Color
RYB	81, 163, 226
Decimal	5366464
CIELab	81.82, -46.48, 5.09
CIELCh	82, 46.755, 173.755
Yxy	59.9657, 0.2514, 0.3755
Android (android.graphics.Color)	4283556544 (0xFF51E2C0)
YUV	178.7690, 6.5229, -85.7434
Hunter-Lab	77.4375, -42.9693, 8.6028

Details

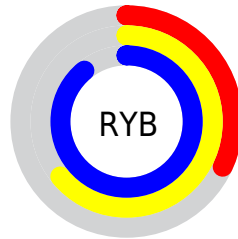
The RYB color **81, 163, 226** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted cyan. A complement of this color would be **226, 81, 115**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **145, 202, 255**, and **0, 94, 170** is the 20% darker color. If you saturate the color by 10%, you get **58, 153, 226**, and if you desaturate by 10%, it is **104, 173, 226**.

Distribution



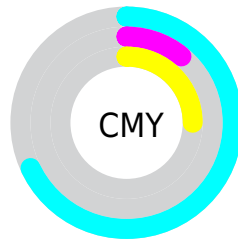
- Red (32%)
- Green (89%)
- Blue (75%)



- Red (32%)
- Yellow (64%)
- Blue (89%)



- Cyan (64%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)



















- Cyan (68%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 163, 226 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, 163, 226 by changing the saturation by 10% instead.

 81, 163, 226	 81, 163, 226
 255, 255, 255	 41, 129, 198
 145, 202, 255	 0, 94, 170
 175, 215, 255	 0, 80, 143
 206, 231, 255	 0, 66, 116
 236, 246, 255	 0, 53, 91
	 0, 40, 66
	 0, 29, 44
	 0, 12, 12
	 0, 0, 0

■ 81, 163, 226

■ 81, 163, 226

■ 58, 153, 226

■ 104, 173, 226

■ 36, 143, 226

■ 126, 182, 226

■ 13, 133, 226

■ 149, 193, 226

■ 0, 128, 226

■ 171, 202, 226

■ 194, 212, 226

■ 217, 222, 226

■ 239, 226, 229

■ 255, 226, 234

■ 255, 226, 240

Harmonies

Analogous

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



145, 216, 221



81, 163, 226



0, 116, 237

Triad

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



81, 163, 226



194, 195, 255



255, 214, 134

Complementary

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



81, 163, 226



226, 81, 115

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, 171, 170



81, 163, 226



250, 179, 255

Square

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



81, 163, 226



119, 174, 255



255, 169, 214



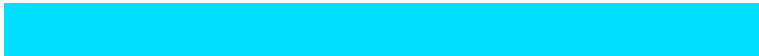
178, 240, 115

Rectangle

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



81, 163, 226



0, 119, 255



255, 169, 214



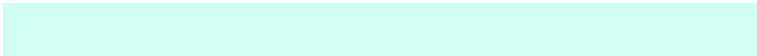
255, 192, 145

Sweetspot

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



81, 163, 226



207, 234, 255



81, 226, 192



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 163, 226



59, 170, 255



81, 142, 226



101, 107, 112



0, 100, 176



0, 27, 48

Inverse Universe

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



226, 81, 115



255, 59, 104



226, 134, 81



112, 101, 104



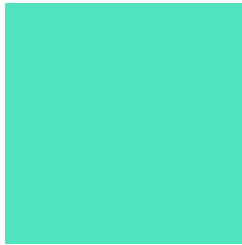
176, 0, 41



48, 0, 11

Previews

White Background



This preview shows how the RYB color 81, 163, 226 looks on a white background.

Color Contrast Check

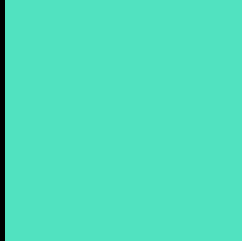
Large Text (above 18pt) WCAG AA × Fail

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, 163, 226 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

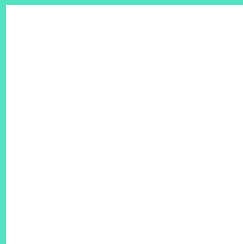
Any Text WCAG AAA ✓ Pass

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

RYB 81, 163, 226 Background



This preview shows how black text looks on a background with the RYB color 81, 163, 226.

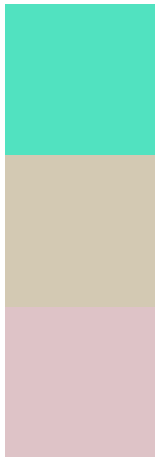


This preview shows how white text looks on a background with the RYB color 81, 163, 226.

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
81, 163, 226

Protanopia
194, 211, 179

Deuteranopia
222, 195, 199



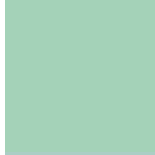
Tritanopia
100, 164, 237

Trichromacy



Original Color

81, 163, 226



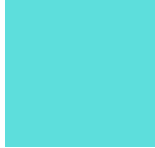
Protanomaly

164, 196, 210



Deuteranomaly

171, 191, 206



Tritanomaly

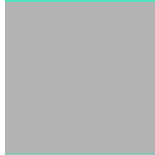
93, 158, 222

Monochromacy



Original Color

81, 163, 226



Achromatopsia

179, 179, 179



Achromatomaly

143, 173, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 163, 226 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, 226, 192)` looks like.

```
.text, #text, p{  
    color:rgb(81, 226, 192)  
}
```

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, 226, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 226, 192) }
```

Border

The CSS property to change the border of an element to RYB 81, 163, 226 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, 226, 192) }
```

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

```
.border{ border-color:rgb(81, 226, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 226, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 226, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 226, 192);  
box-shadow:4px 4px 4px 4px rgb(81, 226,  
192) }
```

Background

The CSS property to change the background color of an element to RGB 81, 163, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 226, 192) }
```

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

```
.background{ background-color: rgb(81, 226,  
192) }
```

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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