

Converting Colors

`RYB(81, 235, 219)`

Have a look what the booklet for
RYB(81, 235, 219) contains.

RYB(81, 235, 219)	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

R_YB(81, 235, 219)

Conversions

Conversions Part 1

Format	Color
Hex	61EB51
RGB	97, 235, 81
RGB Percent	38%, 92%, 32%
CMY	0.6196, 0.0784, 0.6824
CMYK	0.59, 0.00, 0.66, 0.08
HSL	114°, 79%, 62%
HSV	114°, 66%, 92%
XYZ	36.1233, 62.5521, 17.9545
YIQ	176.1820, -32.8140, -77.1500

Conversions

Conversions Part 2

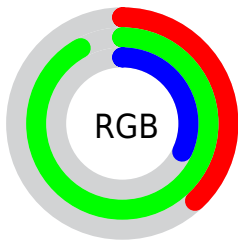
Format	Color
RYB	81, 235, 219
Decimal	6417233
CIELab	83.21, -65.44, 61.37
CIELCh	83, 89.713, 136.836
Yxy	62.5521, 0.3097, 0.5363
Android (android.graphics.Color)	4284607313 (0xFF61EB51)
YUV	176.1820, -46.9247, -69.4426
Hunter-Lab	79.0899, -56.8797, 41.9033

Details

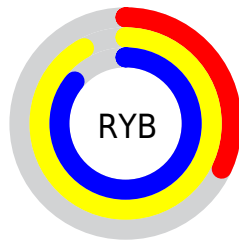
The RYB color **81, 235, 219** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **219, 81, 235**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **136, 255, 231**, and **0, 163, 178** is the 20% darker color. If you saturate the color by 10%, you get **58, 235, 217**, and if you desaturate by 10%, it is **105, 235, 222**.

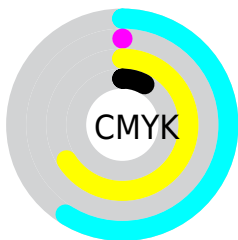
Distribution



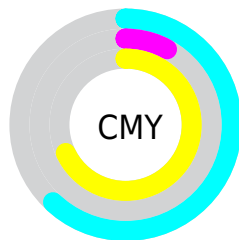
- Red (38%)
- Green (92%)
- Blue (32%)



- Red (32%)
- Yellow (92%)
- Blue (86%)



- Cyan (59%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)



- Cyan (62%)
- Magenta (8%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 235, 219 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, 235, 219 by changing the saturation by 10% instead.



81, 235, 219



81, 235, 219

255, 255, 255



52, 206, 196



136, 255, 231



0, 163, 178



164, 255, 229



0, 150, 150



193, 255, 227



0, 123, 123



222, 255, 225



0, 97, 97



251, 255, 251



0, 72, 72



0, 48, 48



0, 19, 19



0, 0, 0

 81, 235, 219

 81, 235, 219

 58, 235, 217

 105, 235, 222

 34, 235, 214

 128, 235, 224

 11, 235, 212

 152, 235, 227

 0, 235, 211

 175, 235, 229

 199, 235, 232

 222, 235, 234

 244, 235, 246

 255, 235, 255

Harmonies

Analogous

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



0, 218, 16



81, 235, 219



0, 145, 244

Triad

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



81, 235, 219



0, 120, 255



255, 122, 164

Complementary

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



81, 235, 219



219, 81, 235

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, 126, 248



81, 235, 219



120, 171, 255

Square

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



81, 235, 219



0, 124, 255



255, 162, 255



255, 198, 85

Rectangle

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



81, 235, 219



0, 128, 246



255, 162, 255



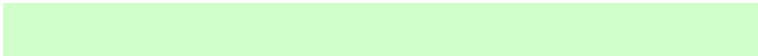
255, 118, 192

Sweetspot

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



81, 235, 219



204, 255, 250



101, 235, 81



97, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



81, 235, 219



54, 255, 235



81, 192, 235



106, 117, 116



0, 181, 162



0, 54, 48

Inverse Universe

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



219, 81, 235



234, 54, 255



235, 81, 176



116, 106, 117



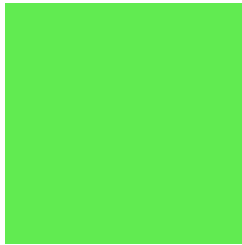
162, 0, 181



48, 0, 54

Previews

White Background



This preview shows how the RYB color 81, 235, 219 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, 235, 219 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, 235, 219 Background



This preview shows how black text looks on a background with the RYB color 81, 235, 219.

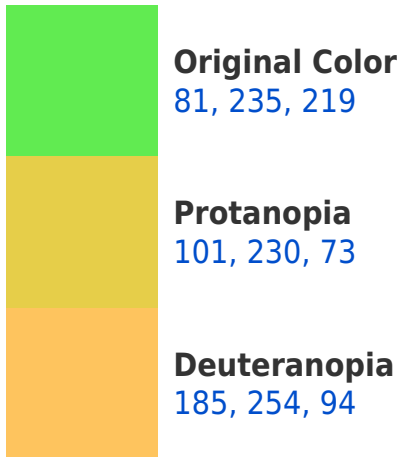



This preview shows how white text looks on a background with the RYB color 81, 235, 219.

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](#).

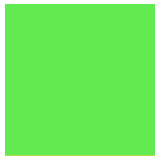
Dichromacy





Tritanopia
132, 180, 238

Trichromacy



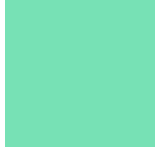
Original Color
81, 235, 219



Protanomaly
76, 217, 111



Deuteranomaly
89, 210, 102



Tritanomaly
119, 186, 225

Monochromacy



Original Color
81, 235, 219



Achromatopsia
176, 176, 176



Achromatomaly
141, 197, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 235, 219 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(97, 235, 81)` looks like.

```
.text, #text, p{  
    color:rgb(97, 235, 81)  
}
```

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(97, 235, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 235, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 235, 219 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(97, 235, 81) }
```

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

```
.border{ border-color:rgb(97, 235, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 235, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 235, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 235, 81);  
box-shadow:4px 4px 4px 4px rgb(97, 235,  
81) }
```

Background

The CSS property to change the background color of an element to RGB 81, 235, 219 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 235, 219) }
```

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

```
.background{ background-color: rgb(81, 235,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor