

Converting Colors

`RYB(81, 176, 123)`

Have a look what the booklet for
RYB(81, 176, 123) contains.

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Color

`RYB(81, 176, 123)`

Conversions

Conversions Part 1

Format	Color
Hex	86B051
RGB	134, 176, 81
RGB Percent	53%, 69%, 32%
CMY	0.4745, 0.3098, 0.6824
CMYK	0.24, 0.00, 0.54, 0.31
HSL	87°, 38%, 50%
HSV	87°, 54%, 69%
XYZ	26.8421, 36.7131, 13.4562
YIQ	152.6120, 5.4630, -38.4490

Conversions

Conversions Part 2

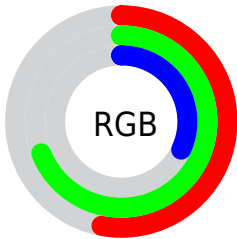
Format	Color
RYB	81, 176, 123
Decimal	8826961
CIELab	67.06, -29.98, 43.59
CIELCh	67, 52.903, 124.521
Yxy	36.7131, 0.3485, 0.4767
Android (android.graphics.Color)	4287017041 (0xFF86B051)
YUV	152.6120, -35.3047, -16.3227
Hunter-Lab	60.5913, -26.9590, 29.2467

Details

The RYB color **81, 176, 123** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **123, 81, 176**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **133, 232, 176**, and **30, 123, 72** is the 20% darker color. If you saturate the color by 10%, you get **63, 176, 113**, and if you desaturate by 10%, it is **99, 176, 133**.

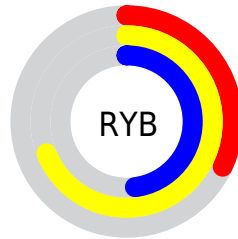
Distribution



Red (53%)

Green (69%)

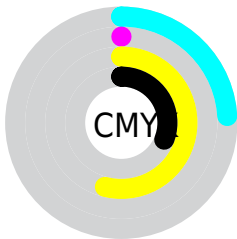
Blue (32%)



Red (32%)

Yellow (69%)

Blue (48%)

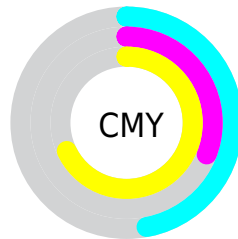


Cyan (24%)

Magenta (0%)

Yellow (54%)

Black (31%)



Cyan (47%)

Magenta (31%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 176, 123 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, 176, 123 by changing the saturation by 10% instead.



81, 176, 123



81, 176, 123

255, 255, 255



56, 149, 98



133, 232, 176



30, 123, 72



160, 255, 197



0, 98, 43



187, 255, 195



0, 74, 44



216, 255, 216



0, 51, 51



244, 255, 244



0, 32, 32



0, 0, 0



81, 176, 123



81, 176, 123



63, 176, 113



99, 176, 133

■ 46, 176, 104

■ 116, 176, 142

■ 28, 176, 93

■ 134, 176, 153

■ 11, 176, 84

■ 151, 176, 162

■ 0, 176, 78

■ 169, 176, 172

■ 181, 176, 187

■ 188, 176, 204

■ 196, 176, 222

■ 204, 176, 239

Harmonies

Analogous

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



88, 184, 63



81, 176, 123



65, 146, 184

Triad

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



81, 176, 123



0, 104, 248



251, 122, 158

Complementary

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



81, 176, 123



123, 81, 176

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.



227, 130, 205



81, 176, 123



87, 141, 255

Square

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



81, 176, 123



0, 100, 216



176, 148, 242



247, 131, 112

Rectangle

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



81, 176, 123



0, 102, 186



176, 148, 242



246, 123, 174

Sweetspot

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



81, 176, 123



193, 230, 210



176, 153, 81



93, 115, 103



242, 242, 242



115, 115, 115

Same Dimension

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



81, 176, 123



80, 230, 146



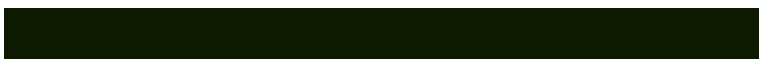
81, 176, 170



80, 89, 84



0, 153, 68



0, 26, 12

Inverse Universe

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



123, 81, 176



146, 80, 230



170, 81, 176



84, 80, 89



68, 0, 153



11, 0, 26

Previews

White Background



This preview shows how the RYB color 81, 176, 123 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, 176, 123 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, 176, 123 Background



This preview shows how black text looks on a background with the RYB color 81, 176, 123.

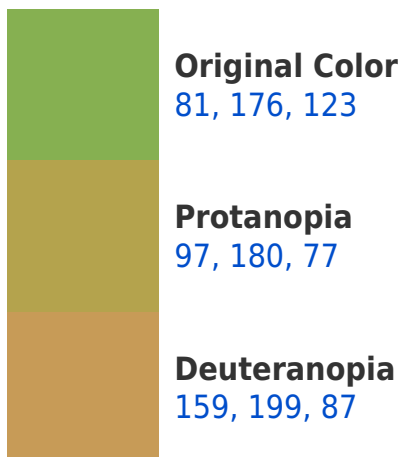


This preview shows how white text looks on a background with the RYB color 81, 176, 123.

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

147, 159, 179

Trichromacy



Original Color
81, 176, 123

Protanomaly
78, 168, 83

Deuteranomaly
99, 175, 85

Tritanomaly
142, 169, 170

Monochromacy



Original Color
81, 176, 123

Achromatopsia
153, 153, 153

Achromatomaly
127, 161, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 176, 123 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(134, 176, 81)` looks like.

```
.text, #text, p{  
    color:rgb(134, 176, 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(134, 176, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 176, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 176, 123 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(134, 176, 81) }
```

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

```
.border{ border-color:rgb(134, 176, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 176, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 176, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 176, 81);  
box-shadow:4px 4px 4px 4px rgb(134, 176,  
81) }
```

Background

The CSS property to change the background color of an element to RGB 134, 176, 81 is called "background".

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

```
.background, #background, body{  
background: rgb(134, 176, 81) }
```

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

```
.background{ background-color: rgb(134,  
176, 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](#).

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