

Converting Colors

`RYB(83, 223, 156)`

Have a look what the booklet for
RYB(83, 223, 156) contains.

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Color

R_YB(83, 223, 156)

Conversions

Conversions Part 1

Format	Color
Hex	96DF53
RGB	150, 223, 83
RGB Percent	59%, 87%, 33%
CMY	0.4118, 0.1255, 0.6745
CMYK	0.33, 0.00, 0.63, 0.13
HSL	91°, 69%, 60%
HSV	91°, 63%, 87%
XYZ	40.5267, 59.8839, 17.6064
YIQ	185.2130, 1.4320, -59.0160

Conversions

Conversions Part 2

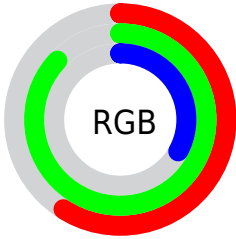
Format	Color
RYB	83, 223, 156
Decimal	9887571
CIELab	81.78, -45.11, 59.62
CIELCh	82, 74.762, 127.115
Yxy	59.8839, 0.3434, 0.5074
Android (android.graphics.Color)	4288077651 (0xFF96DF53)
YUV	185.2130, -50.3910, -30.8818
Hunter-Lab	77.3847, -41.9420, 40.6798

Details

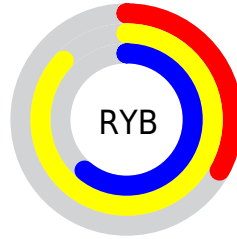
The RYB color **83, 223, 156** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **156, 83, 223**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **138, 255, 185**, and **22, 167, 96** is the 20% darker color. If you saturate the color by 10%, you get **61, 223, 146**, and if you desaturate by 10%, it is **105, 223, 166**.

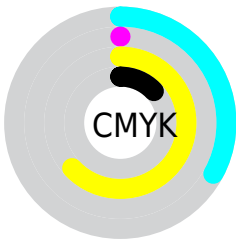
Distribution



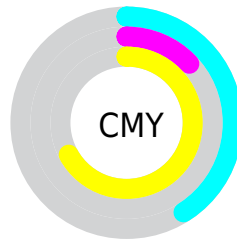
- Red (59%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (61%)



- Cyan (33%)
- Magenta (0%)
- Yellow (63%)
- Black (13%)




















- Cyan (41%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 223, 156 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 83, 223, 156 by changing the saturation by 10% instead.

 83, 223, 156	 83, 223, 156
 255, 255, 255	 55, 195, 128
 138, 255, 185	 22, 167, 96
 166, 255, 184	 0, 140, 75
 194, 255, 194	 0, 114, 82
 223, 255, 223	 0, 89, 89
 252, 255, 252	 0, 65, 65
	 0, 43, 43
	 0, 12, 12
	 0, 0, 0

■ 83, 223, 156

■ 83, 223, 156

■ 61, 223, 146

■ 105, 223, 166

■ 38, 223, 134

■ 128, 223, 178

■ 16, 223, 124

■ 150, 223, 188

■ 0, 223, 116

■ 172, 223, 198

■ 195, 223, 210

■ 217, 223, 220

■ 231, 223, 239

■ 243, 223, 255

■ 255, 223, 255

Harmonies

Analogous

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



68, 224, 47



83, 223, 156



0, 143, 233

Triad

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



83, 223, 156



0, 120, 255



255, 137, 189

Complementary

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



83, 223, 156



156, 83, 223

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, 149, 255



83, 223, 156



79, 153, 255

Square

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



83, 223, 156



0, 122, 255



228, 177, 255



255, 161, 122

Rectangle

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



83, 223, 156



0, 130, 236



228, 177, 255



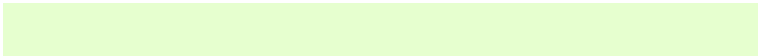
255, 138, 213

Sweetspot

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



83, 223, 156



207, 255, 232



215, 223, 83



98, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



83, 223, 156



64, 255, 164



83, 221, 223



101, 112, 107



0, 176, 92



0, 48, 25

Inverse Universe

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



156, 83, 223



163, 64, 255



223, 83, 221



107, 101, 112



92, 0, 176



25, 0, 48

Previews

White Background



This preview shows how the RYB color 83, 223, 156 looks on a white background.

Color Contrast Check

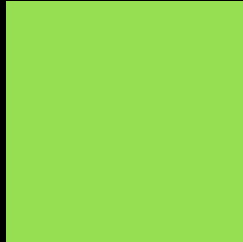
Large Text (above 18pt) WCAG AA × Fail

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 83, 223, 156 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 83, 223, 156 Background



This preview shows how black text looks on a background with the R Y B color 83, 223, 156.



This preview shows how white text looks on a background with the R Y B color 83, 223, 156.

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

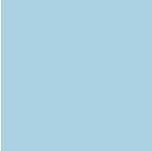
83, 223, 156

Protanopia

104, 226, 77

Deuteranopia

181, 250, 92

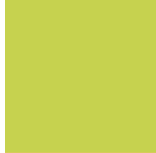


Tritanopia
170, 193, 226

Trichromacy



Original Color
83, 223, 156



Protanomaly
79, 210, 91



Deuteranomaly
100, 214, 89

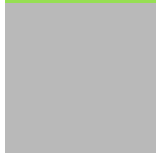


Tritanomaly
163, 205, 214

Monochromacy



Original Color
83, 223, 156



Achromatopsia
185, 185, 185



Achromatomaly
148, 199, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 223, 156 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(150, 223, 83)` looks like.

```
.text, #text, p{  
    color:rgb(150, 223, 83)  
}
```

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(150, 223, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 223, 83) }
```

Border

The CSS property to change the border of an element to RYB 83, 223, 156 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(150, 223, 83) }
```

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

```
.border{ border-color:rgb(150, 223, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 223, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 223, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 223, 83);  
box-shadow:4px 4px 4px 4px rgb(150, 223,  
83) }
```

Background

The CSS property to change the background color of an element to RYB 83, 223, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 223, 83) }
```

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

```
.background{ background-color: rgb(150,  
223, 83) }
```

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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