

Converting Colors

`RYB(99, 200, 136)`

Have a look what the booklet for
RYB(99, 200, 136) contains.

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Color

R_YB(99, 200, 136)

Conversions

Conversions Part 1

Format	Color
Hex	A3C863
RGB	163, 200, 99
RGB Percent	64%, 78%, 39%
CMY	0.3608, 0.2157, 0.6118
CMYK	0.19, 0.00, 0.51, 0.22
HSL	82°, 48%, 59%
HSV	82°, 50%, 78%
XYZ	38.0107, 49.9959, 19.4512
YIQ	177.4230, 10.3690, -39.2550

Conversions

Conversions Part 2

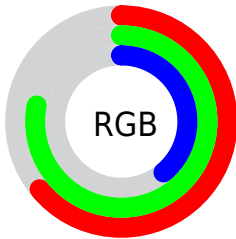
Format	Color
RYB	99, 200, 136
Decimal	10733667
CIELab	76.07, -28.46, 46.10
CIELCh	76, 54.175, 121.694
Yxy	49.9959, 0.3537, 0.4653
Android (android.graphics.Color)	4288923747 (0xFFA3C863)
YUV	177.4230, -38.6625, -12.6490
Hunter-Lab	70.7078, -27.7817, 33.1852

Details

The RYB color **99, 200, 136** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **136, 99, 200**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **152, 255, 187**, and **48, 146, 85** is the 20% darker color. If you saturate the color by 10%, you get **79, 200, 123**, and if you desaturate by 10%, it is **119, 200, 149**.

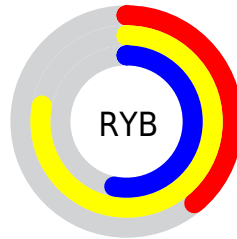
Distribution



Red (64%)

Green (78%)

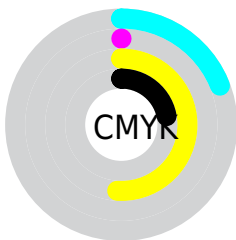
Blue (39%)



Red (39%)

Yellow (78%)

Blue (53%)

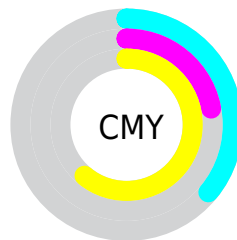


Cyan (19%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (36%)

Magenta (22%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 200, 136 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 99, 200, 136 by changing the saturation by 10% instead.

 99, 200, 136

255, 255, 255


 152, 255, 187

 179, 255, 185


 208, 255, 208

 236, 255, 236

 99, 200, 136

 73, 173, 110

 48, 146, 85

 20, 120, 57

 0, 95, 38

 0, 71, 39

 0, 48, 48

 0, 29, 29

 0, 0, 0

 99, 200, 136

 99, 200, 136

■ 79, 200, 123

■ 119, 200, 149

■ 59, 200, 111

■ 139, 200, 161

■ 39, 200, 98

■ 159, 200, 174

■ 19, 200, 85

■ 179, 200, 187

■ 0, 200, 73

■ 199, 200, 199

■ 207, 200, 219

■ 214, 200, 239

■ 222, 200, 255

■ 229, 200, 255

Harmonies

Analogous

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



120, 214, 84



99, 200, 136



97, 179, 209

Triad

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



99, 200, 136



0, 114, 255



255, 145, 187

Complementary

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



99, 200, 136



136, 99, 200

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.



252, 155, 236



99, 200, 136



103, 159, 255

Square

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



99, 200, 136



0, 112, 239



195, 173, 255



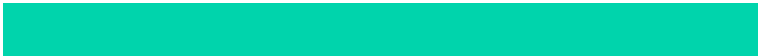
255, 153, 138

Rectangle

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



99, 200, 136



0, 117, 212



195, 173, 255



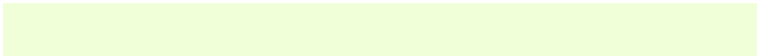
255, 147, 204

Sweetspot

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



99, 200, 136



217, 255, 231



200, 153, 99



105, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



99, 200, 136



99, 255, 156



99, 200, 185



90, 99, 93



0, 163, 60



0, 36, 13

Inverse Universe

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



136, 99, 200



156, 99, 255



185, 99, 200



93, 90, 99



60, 0, 163



13, 0, 36

Previews

White Background



This preview shows how the RYB color 99, 200, 136 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 99, 200, 136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

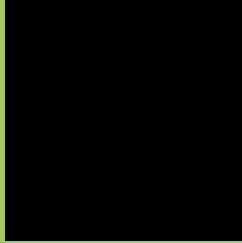
Any Text WCAG AA ✓ Pass

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 99, 200, 136 Background



This preview shows how black text looks on a background with the RYB color 99, 200, 136.

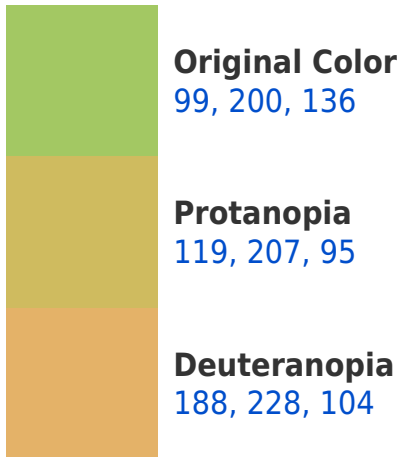


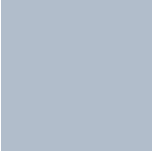
This preview shows how white text looks on a background with the RYB color 99, 200, 136.

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
177, 185, 203

Trichromacy



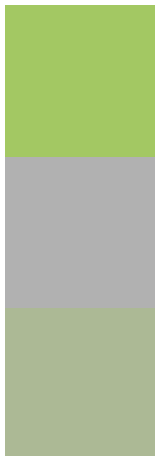
Original Color
99, 200, 136

Protanomaly
96, 192, 97

Deuteranomaly
124, 204, 102

Tritanomaly
165, 193, 186

Monochromacy



Original Color
99, 200, 136

Achromatopsia
177, 177, 177

Achromatomaly
149, 185, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 200, 136 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(163, 200, 99)` looks like.

```
.text, #text, p{  
    color:rgb(163, 200, 99)  
}
```

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(163, 200, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 200, 99) }
```

Border

The CSS property to change the border of an element to RYB 99, 200, 136 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(163, 200, 99) }
```

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

```
.border{ border-color:rgb(163, 200, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 200, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 200, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 200, 99);  
box-shadow:4px 4px 4px 4px rgb(163, 200,  
99) }
```

Background

The CSS property to change the background color of an element to RGB 163, 200, 99 is called "background".

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

```
.background, #background, body{  
background: rgb(163, 200, 99) }
```

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

```
.background{ background-color: rgb(163,  
200, 99) }
```

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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