

Converting Colors

`RYB(99, 213, 171)`

Have a look what the booklet for
RYB(99, 213, 171) contains.

RYB(99, 213, 171)	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

RYB(99, 213, 171)

Conversions

Conversions Part 1

Format	Color
Hex	8DD563
RGB	141, 213, 99
RGB Percent	55%, 84%, 39%
CMY	0.4471, 0.1647, 0.6118
CMYK	0.34, 0.00, 0.54, 0.16
HSL	98°, 58%, 61%
HSV	98°, 54%, 84%
XYZ	37.0309, 54.1521, 20.3050
YIQ	178.4760, -6.3180, -50.7180

Conversions

Conversions Part 2

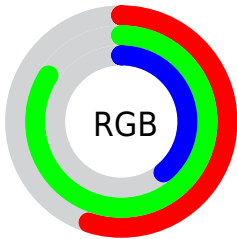
Format	Color
RYB	99, 213, 171
Decimal	9295203
CIELab	78.55, -42.36, 48.75
CIElCh	79, 64.585, 130.986
Yxy	54.1521, 0.3322, 0.4857
Android (android.graphics.Color)	4287485283 (0xFF8DD563)
YUV	178.4760, -39.1817, -32.8665
Hunter-Lab	73.5881, -38.9547, 35.1519

Details

The RYB color **99, 213, 171** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **171, 99, 213**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **152, 255, 209**, and **47, 158, 119** is the 20% darker color. If you saturate the color by 10%, you get **78, 213, 163**, and if you desaturate by 10%, it is **120, 213, 179**.

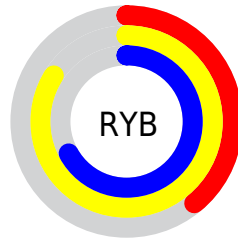
Distribution



Red (55%)

Green (84%)

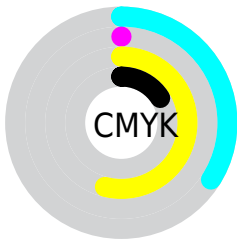
Blue (39%)



Red (39%)

Yellow (84%)

Blue (67%)

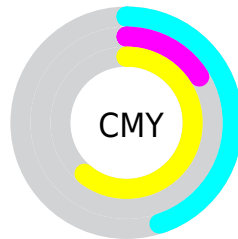


Cyan (34%)

Magenta (0%)

Yellow (54%)

Black (16%)



Cyan (45%)

Magenta (16%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the RYB color 99, 213, 171 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, 213, 171 by changing the saturation by 10% instead.


 99, 213, 171

 99, 213, 171


255, 255, 255

 73, 185, 145


 152, 255, 209

 47, 158, 119

 180, 255, 208

 17, 131, 90

 208, 255, 208

 0, 106, 80

 237, 255, 237

 0, 81, 81

 0, 57, 57

 0, 36, 36

 0, 0, 0

 99, 213, 171

 99, 213, 171

■ 78, 213, 163

■ 120, 213, 179

■ 56, 213, 155

■ 142, 213, 187

■ 35, 213, 147

■ 163, 213, 195

■ 14, 213, 140

■ 184, 213, 202

■ 0, 213, 135

■ 206, 213, 211

■ 222, 213, 227

■ 235, 213, 248

■ 249, 213, 255

■ 255, 213, 255

Harmonies

Analogous

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



78, 207, 68



99, 213, 171



0, 131, 221

Triad

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



99, 213, 171



0, 115, 255



255, 141, 175

Complementary

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



99, 213, 171



171, 99, 213

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, 147, 235



99, 213, 171



125, 170, 255

Square

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



99, 213, 171



0, 118, 255



227, 169, 255



255, 169, 118

Rectangle

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



99, 213, 171



0, 120, 224



227, 169, 255



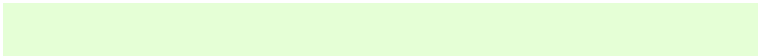
255, 141, 195

Sweetspot

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



99, 213, 171



214, 255, 240



171, 213, 99



103, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



99, 213, 171



92, 255, 195



99, 201, 213



96, 107, 103



0, 171, 108



0, 43, 27

Inverse Universe

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



171, 99, 213



195, 92, 255



213, 99, 200



103, 96, 107



108, 0, 171



27, 0, 43

Previews

White Background



This preview shows how the RYB color 99, 213, 171 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, 213, 171 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, 213, 171 Background



This preview shows how black text looks on a background with the RYB color 99, 213, 171.

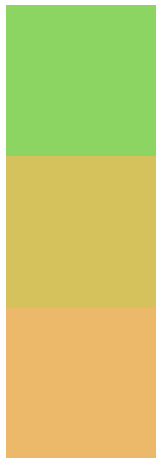


This preview shows how white text looks on a background with the RYB color 99, 213, 171.

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](#).

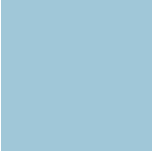
Dichromacy



Original Color
99, 213, 171

Protanopia
117, 214, 93

Deuteranopia
193, 236, 106



Tritanopia
160, 183, 216

Trichromacy



Original Color

99, 213, 171



Protanomaly

95, 201, 109



Deuteranomaly

109, 201, 103



Tritanomaly

153, 191, 205

Monochromacy



Original Color

99, 213, 171



Achromatopsia

178, 178, 178



Achromatomaly

149, 191, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 213, 171 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(141, 213, 99)` looks like.

```
.text, #text, p{  
    color:rgb(141, 213, 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(141, 213, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 213, 99) }
```

Border

The CSS property to change the border of an element to RYB 99, 213, 171 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(141, 213, 99) }
```

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

```
.border{ border-color:rgb(141, 213, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 213, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 213, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 213, 99);  
box-shadow:4px 4px 4px 4px rgb(141, 213,  
99) }
```

Background

The CSS property to change the background color of an element to RYB 99, 213, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 213, 99) }
```

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

```
.background{ background-color: rgb(141,  
213, 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](#).

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