

Converting Colors

`RYB(123, 199, 165)`

Have a look what the booklet for
RYB(123, 199, 165) contains.

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Color

R_YB(123, 199, 165)

Conversions

Conversions Part 1

Format	Color
Hex	9DC77B
RGB	157, 199, 123
RGB Percent	62%, 78%, 48%
CMY	0.3843, 0.2196, 0.5176
CMYK	0.21, 0.00, 0.38, 0.22
HSL	93°, 40%, 63%
HSV	93°, 38%, 78%
XYZ	37.9032, 49.4450, 26.2850
YIQ	177.7780, -0.6360, -32.5400

Conversions

Conversions Part 2

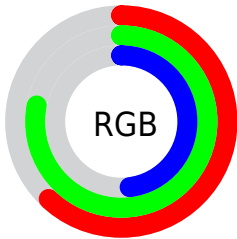
Format	Color
RYB	123, 199, 165
Decimal	10340219
CIELab	75.73, -27.35, 33.62
CIElCh	76, 43.337, 129.126
Yxy	49.4450, 0.3336, 0.4351
Android (android.graphics.Color)	4288530299 (0xFF9DC77B)
YUV	177.7780, -27.0056, -18.2223
Hunter-Lab	70.3171, -26.8378, 27.0590

Details

The RYB color **123, 199, 165** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **165, 123, 199**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **176, 255, 218**, and **73, 145, 114** is the 20% darker color. If you saturate the color by 10%, you get **103, 199, 156**, and if you desaturate by 10%, it is **143, 199, 174**.

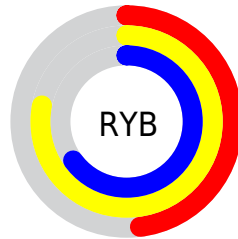
Distribution



Red (62%)

Green (78%)

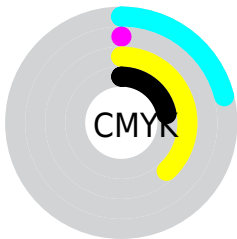
Blue (48%)



Red (48%)

Yellow (78%)

Blue (65%)

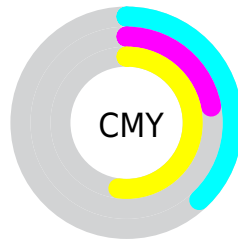


Cyan (21%)

Magenta (0%)

Yellow (38%)

Black (22%)



Cyan (38%)

Magenta (22%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 199, 165 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 123, 199, 165 by changing the saturation by 10% instead.

 123, 199, 165


255, 255, 255


 176, 255, 218

 204, 255, 218

 232, 255, 232

 123, 199, 165

 98, 172, 140

 73, 145, 114

 49, 119, 89

 25, 94, 65

 0, 70, 41

 0, 47, 44

 0, 28, 28


 0, 0, 0

 123, 199, 165


 123, 199, 165


 103, 199, 156


 143, 199, 174


 83, 199, 147


 163, 199, 183

 63, 199, 138

 183, 199, 192

 43, 199, 129

 201, 199, 203

 24, 199, 121

 212, 199, 223

 4, 199, 112

 223, 199, 242

 0, 199, 110

 234, 199, 255

 245, 199, 255

 255, 199, 255

Harmonies

Analogous

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



120, 200, 106



123, 199, 165



106, 172, 206

Triad

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



123, 199, 165



69, 145, 255



255, 155, 176

Complementary

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



123, 199, 165



165, 123, 199

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.



246, 159, 216



123, 199, 165



147, 176, 255

Square

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



123, 199, 165



0, 110, 236



207, 172, 249



255, 167, 138

Rectangle

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



123, 199, 165



63, 142, 208



207, 172, 249



255, 155, 189

Sweetspot

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



123, 199, 165



227, 255, 243



185, 199, 123



111, 128, 121



0, 0, 0



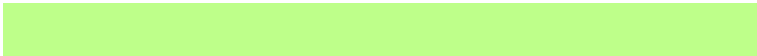
128, 128, 128

Same Dimension

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



123, 199, 165



138, 255, 203



123, 195, 199



90, 99, 95



0, 163, 90



0, 36, 20

Inverse Universe

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



165, 123, 199



203, 138, 255



199, 123, 195



95, 90, 99



90, 0, 163



20, 0, 36

Previews

White Background



This preview shows how the RYB color 123, 199, 165 looks on a white background.

Color Contrast Check

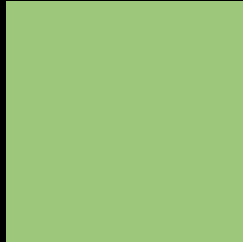
Large Text (above 18pt) WCAG AA × Fail

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 123, 199, 165 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 123, 199, 165 Background



This preview shows how black text looks on a background with the RYB color 123, 199, 165.

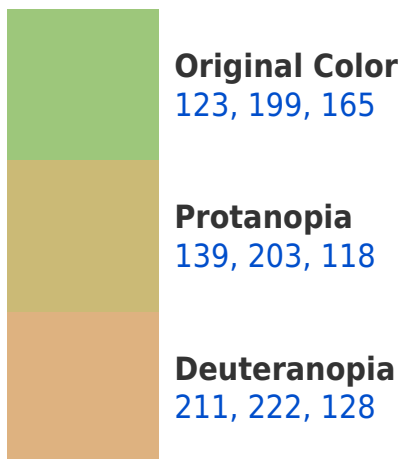


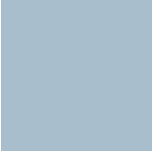
This preview shows how white text looks on a background with the RYB color 123, 199, 165.

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
169, 182, 204

Trichromacy



Original Color
123, 199, 165

Protanomaly
120, 191, 125

Deuteranomaly
140, 198, 126

Tritanomaly
165, 186, 193

Monochromacy



Original Color
123, 199, 165

Achromatopsia
178, 178, 178

Achromatomaly
158, 186, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 199, 165 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(157, 199, 123)` looks like.

```
.text, #text, p{  
    color:rgb(157, 199, 123)  
}
```

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(157, 199, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 199, 123) }
```

Border

The CSS property to change the border of an element to RYB 123, 199, 165 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(157, 199, 123) }
```

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

```
.border{ border-color:rgb(157, 199, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 199, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 199, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 199, 123);  
box-shadow:4px 4px 4px 4px rgb(157, 199,  
123) }
```

Background

The CSS property to change the background color of an element to RYB 123, 199, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 199, 123) }
```

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

```
.background{ background-color: rgb(157,  
199, 123) }
```

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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