

Converting Colors

`RYB(99, 162, 171)`

Have a look what the booklet for
RYB(99, 162, 171) contains.

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Color

RYB(99, 162, 171)

Conversions

Conversions Part 1

Format	Color
Hex	63AB6D
RGB	99, 171, 109
RGB Percent	39%, 67%, 43%
CMY	0.6118, 0.3294, 0.5714
CMYK	0.42, 0.00, 0.36, 0.33
HSL	129°, 30%, 53%
HSV	129°, 42%, 67%
XYZ	22.4842, 32.8888, 19.7119
YIQ	142.4040, -23.0100, -34.5460

Conversions

Conversions Part 2

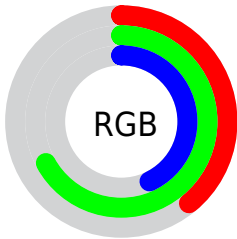
Format	Color
RYB	99, 162, 171
Decimal	6531949
CIELab	64.07, -35.90, 24.91
CIELCh	64, 43.698, 145.243
Yxy	32.8888, 0.2995, 0.4380
Android (android.graphics.Color)	4284722029 (0xFF63AB6D)
YUV	142.4040, -16.4682, -38.0653
Hunter-Lab	57.3487, -30.3773, 19.7650

Details

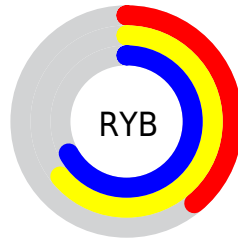
The RYB color **99, 162, 171** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **171, 99, 161**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **153, 220, 227**, and **46, 106, 118** is the 20% darker color. If you saturate the color by 10%, you get **82, 160, 171**, and if you desaturate by 10%, it is **116, 164, 171**.

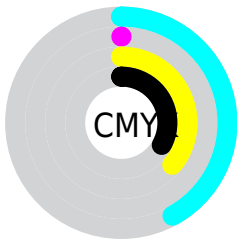
Distribution



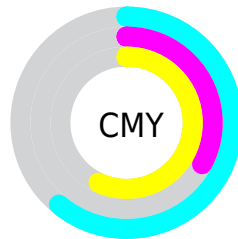
- Red (39%)
- Green (67%)
- Blue (43%)



- Red (39%)
- Yellow (64%)
- Blue (67%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (33%)



- Cyan (61%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 162, 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, 162, 171 by changing the saturation by 10% instead.



99, 162, 171



99, 162, 171

255, 255, 255



73, 134, 144



153, 220, 227



46, 106, 118



181, 248, 255



13, 74, 93



209, 249, 255



0, 56, 69



238, 250, 255



0, 46, 46



0, 23, 23



0, 0, 0



99, 162, 171




99, 162, 171





82, 160, 171





116, 164, 171

 65, 158, 171


 133, 166, 171


 48, 156, 171

 150, 168, 171

 31, 154, 171

 167, 170, 171


 14, 152, 171

 184, 171, 183

 0, 150, 171

 202, 171, 197

 219, 171, 212

 236, 171, 227

 253, 171, 241

Harmonies

Analogous

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



82, 163, 99



99, 162, 171



17, 103, 175

Triad

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



99, 162, 171



75, 131, 233



229, 126, 124

Complementary

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



99, 162, 171



171, 99, 161

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.



224, 124, 163



99, 162, 171



149, 147, 226

Square

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



99, 162, 171



0, 96, 218



198, 133, 200



214, 163, 92

Rectangle

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



99, 162, 171



0, 88, 175



198, 133, 200



230, 124, 137

Sweetspot

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



99, 162, 171



193, 218, 222



99, 171, 109



94, 109, 112



240, 240, 240



112, 112, 112

Same Dimension

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



99, 162, 171



109, 208, 222



99, 143, 171



78, 86, 87



0, 132, 150



0, 20, 23

Inverse Universe

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



171, 99, 161



222, 109, 206



171, 99, 125



87, 78, 85



150, 0, 129



23, 0, 20

Previews

White Background



This preview shows how the RYB color 99, 162, 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, 162, 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](#).

R Y B 99, 162, 171 Background



This preview shows how black text looks on a background with the RYB color 99, 162, 171.



This preview shows how white text looks on a background with the RYB color 99, 162, 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, 162, 171

Protanopia
120, 168, 102

Deuteranopia
182, 182, 114



Tritanopia
113, 141, 176

Trichromacy



Original Color
99, 162, 171

Protanomaly
105, 160, 122

Deuteranomaly
112, 156, 116

Tritanomaly
108, 141, 166

Monochromacy



Original Color
99, 162, 171

Achromatopsia
142, 142, 142

Achromatomaly
126, 150, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 162, 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(99, 171, 109)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 109)  
}
```

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(99, 171, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 109) }
```

Border

The CSS property to change the border of an element to RYB 99, 162, 171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

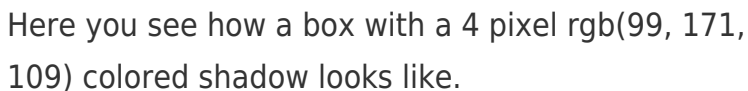
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 171, 109) }
```

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

```
.border{ border-color:rgb(99, 171, 109) }
```

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



Here you see how a box with a 4 pixel rgb(99, 171, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 109);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
109) }
```

Background

The CSS property to change the background color of an element to RGB 99, 162, 171 is called "background".

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

```
.background, #background, body{  
background: rgb(99, 171, 109) }
```

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

```
.background{ background-color: rgb(99, 171,  
109) }
```

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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