

Converting Colors

`RYB(99, 160, 171)`

Have a look what the booklet for
RYB(99, 160, 171) contains.

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Color

R_YB(99, 160, 171)

Conversions

Conversions Part 1

Format	Color
Hex	63AB70
RGB	99, 171, 112
RGB Percent	39%, 67%, 44%
CMY	0.6118, 0.3294, 0.5608
CMYK	0.42, 0.00, 0.35, 0.33
HSL	131°, 30%, 53%
HSV	131°, 42%, 67%
XYZ	22.6322, 32.9480, 20.4912
YIQ	142.7460, -23.9730, -33.6130

Conversions

Conversions Part 2

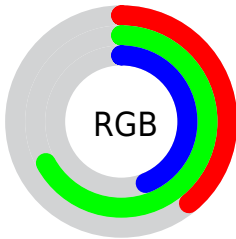
Format	Color
RYB	99, 160, 171
Decimal	6531952
CIELab	64.12, -35.43, 23.52
CIElCh	64, 42.529, 146.419
Yxy	32.9480, 0.2975, 0.4331
Android (android.graphics.Color)	4284722032 (0xFF63AB70)
YUV	142.7460, -15.1578, -38.3652
Hunter-Lab	57.4003, -30.0702, 19.0144

Details

The RYB color **99, 160, 171** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **171, 99, 158**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **153, 217, 227**, and **46, 104, 118** is the 20% darker color. If you saturate the color by 10%, you get **82, 157, 171**, and if you desaturate by 10%, it is **116, 163, 171**.

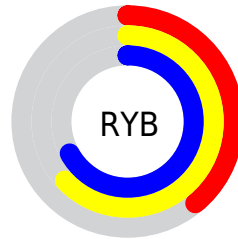
Distribution



Red (39%)

Green (67%)

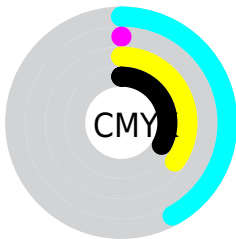
Blue (44%)



Red (39%)

Yellow (63%)

Blue (67%)

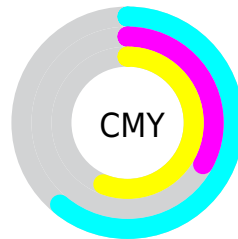


Cyan (42%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (61%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 160, 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, 160, 171 by changing the saturation by 10% instead.



99, 160, 171



99, 160, 171

255, 255, 255



73, 132, 144



153, 217, 227



46, 104, 118



181, 246, 255



14, 73, 93



209, 247, 255



0, 54, 69



238, 249, 255



0, 46, 46



0, 23, 23



0, 0, 0



99, 160, 171




99, 160, 171




82, 157, 171





116, 163, 171

 65, 155, 171


 133, 165, 171


 48, 152, 171

 150, 168, 171


 31, 150, 171

 167, 170, 171


 14, 147, 171

 184, 171, 182

 0, 145, 171

 202, 171, 196

 219, 171, 210

 236, 171, 224

 253, 171, 238

Harmonies

Analogous

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



85, 163, 103



99, 160, 171



25, 107, 175

Triad

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



99, 160, 171



83, 134, 231



227, 127, 124

Complementary

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



99, 160, 171



171, 99, 158

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.



223, 125, 162



99, 160, 171



152, 147, 223

Square

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



99, 160, 171



0, 96, 218



198, 133, 198



212, 165, 93

Rectangle

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



99, 160, 171



0, 88, 176



198, 133, 198



228, 125, 136

Sweetspot

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



99, 160, 171



193, 218, 222



99, 171, 111



94, 109, 112



240, 240, 240



112, 112, 112

Same Dimension

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



99, 160, 171



109, 205, 222



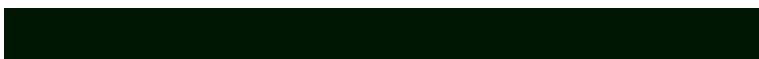
99, 142, 171



78, 85, 87



0, 127, 150



0, 20, 23

Inverse Universe

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



171, 99, 158



222, 109, 201



171, 99, 123



87, 78, 85



150, 0, 123



23, 0, 19

Previews

White Background



This preview shows how the RYB color 99, 160, 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, 160, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

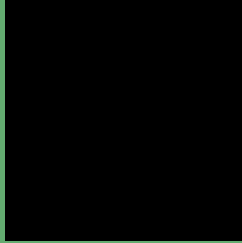
Any Text WCAG AA ✓ Pass

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, 160, 171 Background



This preview shows how black text looks on a background with the RYB color 99, 160, 171.



This preview shows how white text looks on a background with the RYB color 99, 160, 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, 160, 171

Protanopia
120, 167, 105

Deuteranopia
182, 176, 117



Tritanopia
113, 141, 176

Trichromacy



Original Color

99, 160, 171



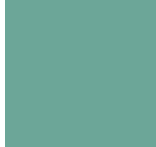
Protanomaly

108, 161, 127



Deuteranomaly

115, 156, 119



Tritanomaly

108, 141, 166

Monochromacy



Original Color

99, 160, 171



Achromatopsia

143, 143, 143



Achromatomaly

127, 149, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 160, 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 112) }
```

Border

The CSS property to change the border of an element to RYB 99, 160, 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, 112) }
```

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

```
.border{ border-color:rgb(99, 171, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 99, 160, 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, 112) }
```

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

```
.background{ background-color: rgb(99, 171,  
112) }
```

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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