

# Converting Colors

`RYB(99, 148, 170)`

Have a look what the booklet for RYB(99, 148, 170) contains.

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# Color

**RYB(99, 148, 170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63AA83
RGB	99, 170, 131
RGB Percent	39%, 67%, 51%
CMY	0.6118, 0.3333, 0.4868
CMYK	0.42, 0.00, 0.23, 0.33
HSL	147°, 29%, 53%
HSV	147°, 42%, 67%
XYZ	23.6088, 33.0375, 26.5618
YIQ	144.3250, -29.7970, -27.1810

# Conversions

## Conversions Part 2

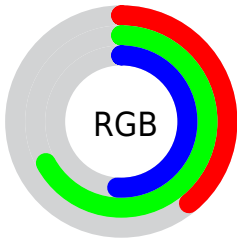
Format	Color
<a href="#">RYB</a>	99, 148, 170
Decimal	6531715
CIELab	64.19, -31.35, 13.29
CIElCh	64, 34.051, 157.021
Yxy	33.0375, 0.2837, 0.3970
Android (android.graphics.Color)	4284721795 (0xFF63AA83)
YUV	144.3250, -6.5692, -39.7500
Hunter-Lab	57.4782, -27.2694, 12.8357

# Details

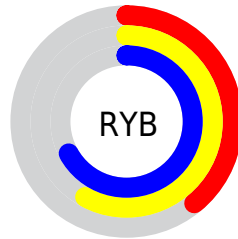
The RYB color **99, 148, 170** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **170, 99, 138**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **153, 204, 226**, and **46, 93, 117** is the 20% darker color. If you saturate the color by 10%, you get **82, 143, 170**, and if you desaturate by 10%, it is **116, 153, 170**.

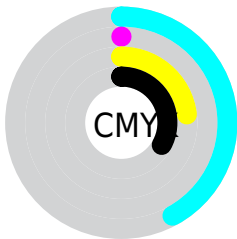
# Distribution



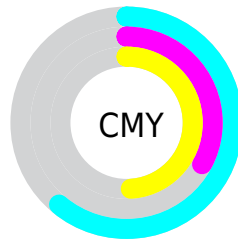
- Red (39%)
- Green (67%)
- Blue (51%)



- Red (39%)
- Yellow (58%)
- Blue (67%)



- Cyan (42%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)




- Cyan (61%)
- Magenta (33%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 99, 148, 170 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, 148, 170 by changing the saturation by 10% instead.



 99, 148, 170

 99, 148, 170

255, 255, 255

 73, 121, 143

 153, 204, 226

 46, 94, 117

 180, 233, 255

 15, 64, 92

 209, 236, 255


 0, 44, 68


 238, 247, 255


 0, 33, 45

 0, 23, 23


 0, 0, 0

 99, 148, 170


 99, 148, 170


 82, 143, 170


 116, 153, 170

 65, 138, 170


 133, 158, 170

 48, 132, 170


 150, 164, 170


 31, 127, 170

 167, 169, 170

 14, 122, 170

 184, 170, 178

 0, 117, 170

 201, 170, 187

 218, 170, 196

 235, 170, 206

 252, 170, 215

# Harmonies

## Analogous

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



106, 165, 135



99, 148, 170



59, 118, 172

# Triad

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



99, 148, 170



124, 148, 216



212, 139, 120

# Complementary

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



99, 148, 170



170, 99, 138

# 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.



214, 132, 149



99, 148, 170



169, 145, 204

# Square

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



99, 148, 170



72, 128, 211



200, 136, 180



195, 189, 100

# Rectangle

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



99, 148, 170



37, 107, 182



200, 136, 180



215, 134, 130



# Sweetspot

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



99, 148, 170



193, 213, 222



99, 170, 130



94, 106, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



99, 148, 170



111, 188, 222



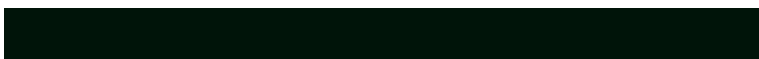
99, 136, 170



76, 81, 84



0, 102, 148



0, 14, 20



# Inverse Universe

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



170, 99, 138



222, 111, 172



170, 99, 104



84, 76, 80



148, 0, 81



20, 0, 11



# Previews

## White Background



This preview shows how the RYB color 99, 148, 170 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, 148, 170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

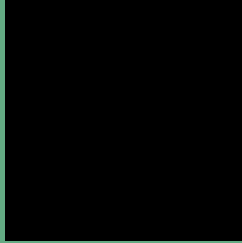
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 99, 148, 170 Background



This preview shows how black text looks on a background with the RYB color 99, 148, 170.

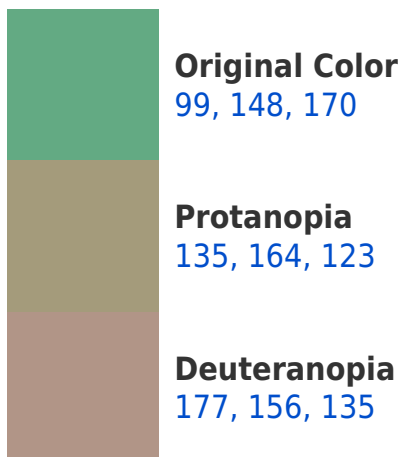



This preview shows how white text looks on a background with the RYB color 99, 148, 170.

# 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**  
110, 140, 177

# Trichromacy



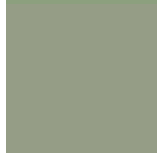
**Original Color**

99, 148, 170



**Protanomaly**

126, 160, 146



**Deuteranomaly**

134, 157, 142



**Tritanomaly**

106, 138, 166

# Monochromacy



**Original Color**

99, 148, 170



**Achromatopsia**

144, 144, 144



**Achromatomaly**

128, 145, 153

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 99, 148, 170 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, 170, 131)` looks like.

```
.text, #text, p{  
    color:rgb(99, 170, 131)  
}
```

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, 170, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 170, 131) }
```

## Border

The CSS property to change the border of an element to RYB 99, 148, 170 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, 170, 131) }
```

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

```
.border{ border-color:rgb(99, 170, 131) }
```

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

Here you see how a box with a 4 pixel rgb(99, 170, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(99, 170,  
131) }
```

# Background

The CSS property to change the background color of an element to RGB 99, 148, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 170, 131) }
```

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

```
.background{ background-color: rgb(99, 170,  
131) }
```

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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