

Converting Colors

`RYB(99, 147, 170)`

Have a look what the booklet for
RYB(99, 147, 170) contains.

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Color

RYB(99, 147, 170)

Conversions

Conversions Part 1

Format	Color
Hex	63AA85
RGB	99, 170, 133
RGB Percent	39%, 67%, 52%
CMY	0.6118, 0.3333, 0.4783
CMYK	0.42, 0.00, 0.22, 0.33
HSL	149°, 29%, 53%
HSV	149°, 42%, 67%
XYZ	23.7554, 33.0961, 27.3340
YIQ	144.5530, -30.4390, -26.5590

Conversions

Conversions Part 2

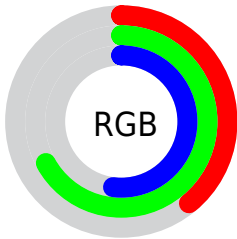
Format	Color
RYB	99, 147, 170
Decimal	6531717
CIELab	64.24, -30.90, 12.18
CIELCh	64, 33.216, 158.496
Yxy	33.0961, 0.2822, 0.3931
Android (android.graphics.Color)	4284721797 (0xFF63AA85)
YUV	144.5530, -5.6956, -39.9500
Hunter-Lab	57.5292, -26.9686, 12.0999

Details

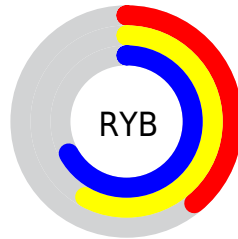
The RYB color **99, 147, 170** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **170, 99, 136**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **153, 203, 226**, and **46, 93, 117** is the 20% darker color. If you saturate the color by 10%, you get **82, 142, 170**, and if you desaturate by 10%, it is **116, 152, 170**.

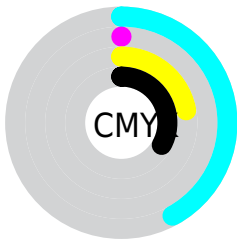
Distribution



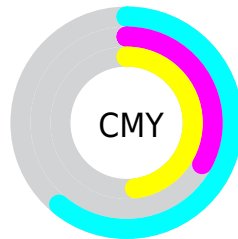
- Red (39%)
- Green (67%)
- Blue (52%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (61%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 147, 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, 147, 170 by changing the saturation by 10% instead.



99, 147, 170



99, 147, 170

255, 255, 255



73, 120, 143



153, 203, 226



46, 93, 117



180, 232, 255



15, 64, 92



209, 236, 255



0, 44, 68



238, 247, 255



0, 32, 45



0, 23, 23



0, 0, 0



99, 147, 170




99, 147, 170




82, 142, 170





116, 152, 170


 65, 136, 170


 133, 158, 170

 48, 131, 170


 150, 163, 170


 31, 125, 170

 167, 169, 170

 14, 119, 170


 184, 170, 177

 0, 115, 170

 201, 170, 186

 218, 170, 195

 235, 170, 204

 252, 170, 213

Harmonies

Analogous

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



108, 165, 138



99, 147, 170



61, 119, 172

Triad

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



99, 147, 170



128, 149, 214



210, 141, 120

Complementary

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



99, 147, 170



170, 99, 136

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.



213, 133, 148



99, 147, 170



170, 145, 202

Square

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



99, 147, 170



79, 131, 210



200, 136, 178



194, 192, 101

Rectangle

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



99, 147, 170



44, 110, 183



200, 136, 178



213, 135, 129

Sweetspot

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



99, 147, 170



193, 213, 222



99, 170, 132



94, 106, 112



240, 240, 240



112, 112, 112

Same Dimension

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



99, 147, 170



111, 186, 222



99, 135, 170



76, 81, 84



0, 100, 148



0, 13, 20

Inverse Universe

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



170, 99, 136



222, 111, 169



170, 99, 101



84, 76, 80



148, 0, 77



20, 0, 11

Previews

White Background



This preview shows how the RYB color 99, 147, 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, 147, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

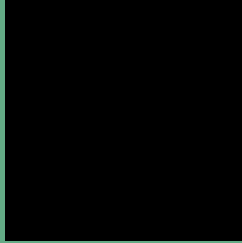
Any Text WCAG AA ✓ Pass

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, 147, 170 Background



This preview shows how black text looks on a background with the R Y B color 99, 147, 170.



This preview shows how white text looks on a background with the R Y B color 99, 147, 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



Original Color
99, 147, 170

Protanopia
138, 164, 126

Deuteranopia
176, 154, 137



Tritanopia
110, 140, 177

Trichromacy



Original Color

99, 147, 170



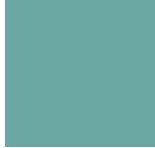
Protanomaly

129, 160, 149



Deuteranomaly

136, 157, 145



Tritanomaly

106, 137, 166

Monochromacy



Original Color

99, 147, 170



Achromatopsia

145, 145, 145



Achromatomaly

128, 145, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 147, 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(99, 170, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 170, 133) }
```

Border

The CSS property to change the border of an element to RYB 99, 147, 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, 133) }
```

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

```
.border{ border-color:rgb(99, 170, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(99, 170,  
133) }
```

Background

The CSS property to change the background color of an element to RGB 99, 147, 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, 133) }
```

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

```
.background{ background-color: rgb(99, 170,  
133) }
```

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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