

Converting Colors

`RYB(99, 83, 119)`

Have a look what the booklet for
RYB(99, 83, 119) contains.

RYB(99, 83, 119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(99, 83, 119)

Conversions

Conversions Part 1

Format	Color
Hex	635377
RGB	99, 83, 119
RGB Percent	39%, 33%, 47%
CMY	0.6118, 0.6745, 0.5333
CMYK	0.17, 0.30, 0.00, 0.53
HSL	267°, 18%, 40%
HSV	267°, 30%, 47%
XYZ	11.5686, 10.1711, 18.8062
YIQ	91.8880, -2.0200, 14.5880

Conversions

Conversions Part 2

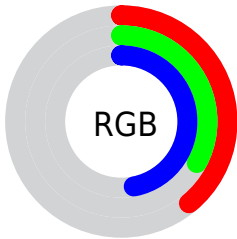
Format	Color
R_{YB}	99, 83, 119
Decimal	6509431
CIE _{Lab}	38.15, 14.39, -18.02
CIE _{LCh}	38, 23.066, 308.615
Yxy	10.1711, 0.2853, 0.2509
Android (android.graphics.Color)	4284699511 (0xFF635377)
YUV	91.8880, 13.3662, 6.2372
Hunter-Lab	31.8921, 8.9383, -12.6378

Details

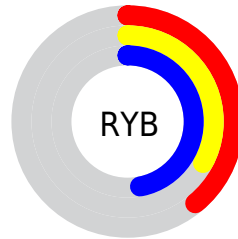
The RYB color **99, 83, 119** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **83, 119, 99**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **150, 133, 171**, and **52, 38, 70** is the 20% darker color. If you saturate the color by 10%, you get **92, 71, 119**, and if you desaturate by 10%, it is **106, 95, 119**.

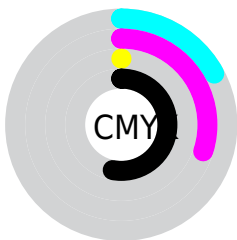
Distribution



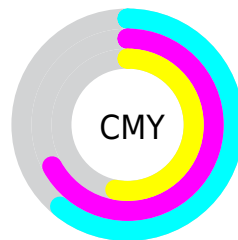
- Red (39%)
- Green (33%)
- Blue (47%)



- Red (39%)
- Yellow (33%)
- Blue (47%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (67%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 83, 119 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, 83, 119 by changing the saturation by 10% instead.



99, 83, 119



99, 83, 119

255, 255, 255



75, 60, 94



150, 133, 171



52, 38, 70



177, 159, 199



30, 18, 48



205, 186, 227



0, 0, 27



233, 213, 255



0, 0, 0



255, 242, 255



99, 83, 119



99, 83, 119



92, 71, 119



106, 95, 119



86, 59, 119



112, 107, 119

■ 79, 47, 119

■ 119, 119, 119

■ 73, 35, 119

■ 119, 131, 125

■ 66, 23, 119

■ 119, 142, 129

■ 59, 12, 119

■ 119, 154, 134

■ 53, 0, 119

■ 119, 166, 140

■ 119, 178, 145

■ 119, 190, 151

Harmonies

Analogous

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



72, 86, 126



99, 83, 119



118, 77, 104

Triad

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



99, 83, 119



114, 112, 55



29, 66, 100

Complementary

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



99, 83, 119



83, 119, 99

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.



54, 84, 99



99, 83, 119



60, 97, 52

Square

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



99, 83, 119



124, 81, 67



60, 96, 79



15, 60, 112

Rectangle

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



99, 83, 119



124, 75, 91



60, 96, 79



37, 72, 100

Sweetspot

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



99, 83, 119



148, 142, 156



83, 96, 119



74, 70, 79



207, 207, 207



79, 79, 79

Same Dimension

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



99, 83, 119



124, 100, 156



117, 83, 119



55, 53, 59



54, 0, 122



111, 0, 250

Inverse Universe

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



119, 83, 103



156, 100, 131



83, 119, 117



59, 53, 56



122, 0, 68



250, 0, 139

Previews

White Background



This preview shows how the RYB color 99, 83, 119 looks on a white background.

Color Contrast Check

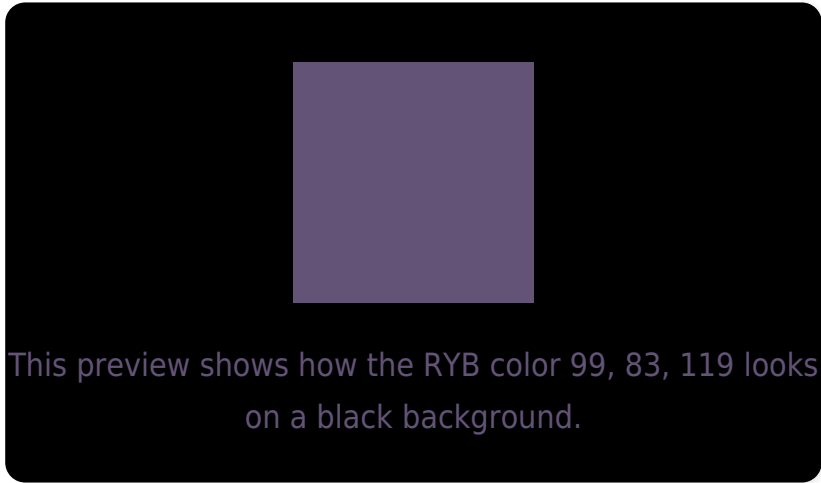
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

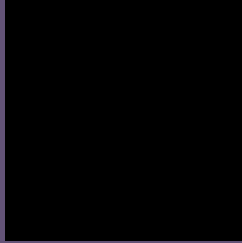
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 99, 83, 119 Background



This preview shows how black text looks on a background with the R Y B color 99, 83, 119.

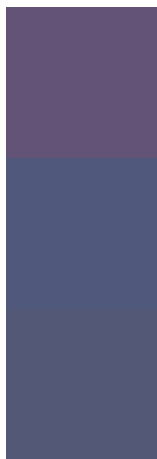


This preview shows how white text looks on a background with the R Y B color 99, 83, 119.

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, 83, 119

Protanopia

80, 87, 123

Deuteranopia

83, 87, 118



Tritanopia

95, 88, 95

Trichromacy



Original Color

99, 83, 119

Protanomaly

87, 87, 122

Deuteranomaly

89, 86, 118

Tritanomaly

96, 86, 104

Monochromacy



Original Color

99, 83, 119

Achromatopsia

92, 92, 92

Achromatomaly

95, 89, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 83, 119 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, 83, 119) looks like.

```
.text, #text, p{  
    color:rgb(99, 83, 119)  
}
```

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, 83, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 83, 119) }
```

Border

The CSS property to change the border of an element to RYB 99, 83, 119 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, 83, 119) }
```

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

```
.border{ border-color:rgb(99, 83, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 83, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 83, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 83, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 83,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 99, 83, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 83, 119) }
```

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

```
.background{ background-color: rgb(99, 83,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor