

Converting Colors

`RYB(119, 84, 155)`

Have a look what the booklet for
RYB(119, 84, 155) contains.

RYB(119, 84, 155)	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(119, 84, 155)

Conversions

Conversions Part 1

Format	Color
Hex	77549B
RGB	119, 84, 155
RGB Percent	47%, 33%, 61%
CMY	0.5333, 0.6706, 0.3922
CMYK	0.23, 0.46, 0.00, 0.39
HSL	270°, 30%, 47%
HSV	270°, 46%, 61%
XYZ	16.6945, 12.6291, 32.5681
YIQ	102.5590, -1.9310, 29.5010

Conversions

Conversions Part 2

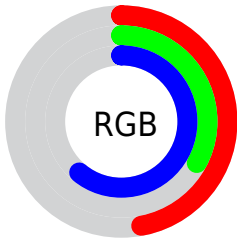
Format	Color
R_{YB}	119, 84, 155
Decimal	7820443
CIE _{Lab}	42.20, 29.16, -33.41
CIE _{LCh}	42, 44.344, 311.110
Yxy	12.6291, 0.2697, 0.2041
Android (android.graphics.Color)	4286010523 (0xFF77549B)
YUV	102.5590, 25.8534, 14.4188
Hunter-Lab	35.5375, 21.6634, -29.4597

Details

The RYB color **119, 84, 155** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **84, 155, 119**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **173, 134, 210**, and **68, 37, 103** is the 20% darker color. If you saturate the color by 10%, you get **111, 69, 155**, and if you desaturate by 10%, it is **127, 100, 155**.

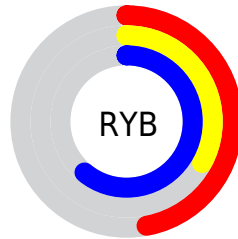
Distribution



Red (47%)

Green (33%)

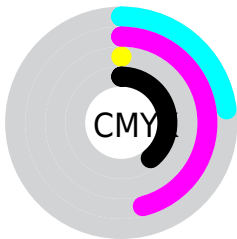
Blue (61%)



Red (47%)

Yellow (33%)

Blue (61%)

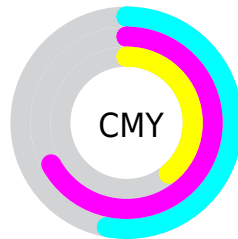


Cyan (23%)

Magenta (46%)

Yellow (0%)

Black (39%)



Cyan (53%)

Magenta (67%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 84, 155 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 119, 84, 155 by changing the saturation by 10% instead.



119, 84, 155



119, 84, 155

255, 255, 255



93, 60, 129



173, 134, 210



68, 37, 103



201, 161, 238



44, 15, 79



229, 188, 255



23, 0, 56



255, 216, 255



0, 2, 33



255, 244, 255



0, 0, 7



0, 0, 0



119, 84, 155



119, 84, 155



111, 69, 155



127, 100, 155

103, 53, 155

135, 115, 155

95, 38, 155

143, 131, 155

88, 22, 155

150, 146, 155

80, 7, 155

155, 162, 159

76, 0, 155

155, 177, 166

155, 193, 174

155, 208, 181

155, 223, 188

Harmonies

Analogous

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



52, 86, 172



119, 84, 155



154, 70, 124

Triad

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



119, 84, 155



112, 137, 27



0, 60, 117

Complementary

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



119, 84, 155



84, 155, 119

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.



0, 70, 116



119, 84, 155



23, 106, 19

Square

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



119, 84, 155



159, 81, 53



41, 111, 86



0, 65, 147

Rectangle

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



119, 84, 155



164, 65, 100



41, 111, 86



0, 63, 117

Sweetspot

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



119, 84, 155



187, 173, 201



84, 108, 155



93, 85, 102



230, 230, 230



102, 102, 102

Same Dimension

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



119, 84, 155



145, 91, 201



154, 84, 155



73, 69, 77



69, 0, 140



6, 0, 13

Inverse Universe

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



155, 84, 120



201, 91, 147



84, 155, 154



77, 69, 73



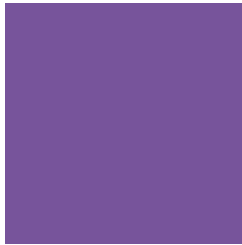
140, 0, 71



13, 0, 6

Previews

White Background



This preview shows how the RYB color 119, 84, 155 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



This preview shows how the RYB color 119, 84, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

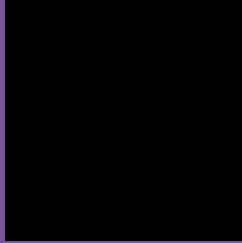
Any Text WCAG AA × Fail

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](#).

RYB 119, 84, 155 Background



This preview shows how black text looks on a background with the RYB color 119, 84, 155.



This preview shows how white text looks on a background with the RYB color 119, 84, 155.

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


119, 84, 155

Protanopia

71, 92, 167

Deuteranopia

75, 93, 152



Tritanopia
110, 96, 103

Trichromacy



Original Color
119, 84, 155

Protanomaly
88, 93, 163

Deuteranomaly
91, 94, 153

Tritanomaly
113, 92, 122

Monochromacy



Original Color
119, 84, 155

Achromatopsia
103, 103, 103

Achromatomaly
109, 96, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 84, 155 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(119, 84, 155)` looks like.

```
.text, #text, p{  
    color:rgb(119, 84, 155)  
}
```

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(119, 84, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 84, 155) }
```

Border

The CSS property to change the border of an element to RYB 119, 84, 155 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(119, 84, 155) }
```

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

```
.border{ border-color:rgb(119, 84, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 84, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 84, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 84, 155);  
box-shadow:4px 4px 4px 4px rgb(119, 84,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 119, 84, 155 is called "background".

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

```
.background, #background, body{  
background: rgb(119, 84, 155) }
```

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

```
.background{ background-color: rgb(119, 84,  
155) }
```

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