

Converting Colors

`RYB(127, 107, 160)`

Have a look what the booklet for
RYB(127, 107, 160) contains.

RYB(127, 107, 160)	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(127, 107, 160)

Conversions

Conversions Part 1

Format	Color
Hex	7F6BA0
RGB	127, 107, 160
RGB Percent	50%, 42%, 63%
CMY	0.5020, 0.5804, 0.3725
CMYK	0.21, 0.33, 0.00, 0.37
HSL	263°, 22%, 52%
HSV	263°, 33%, 63%
XYZ	20.3553, 17.5655, 35.5753
YIQ	119.0220, -5.0930, 20.7230

Conversions

Conversions Part 2

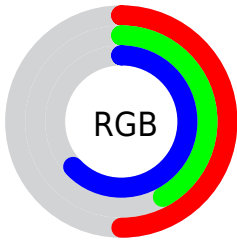
Format	Color
R_{YB}	127, 107, 160
Decimal	8350624
CIE _{Lab}	48.96, 19.13, -25.74
CIE _{LCh}	49, 32.069, 306.610
Yxy	17.5655, 0.2770, 0.2390
Android (android.graphics.Color)	4286540704 (0xFF7F6BA0)
YUV	119.0220, 20.2022, 6.9967
Hunter-Lab	41.9112, 13.3486, -20.9891

Details

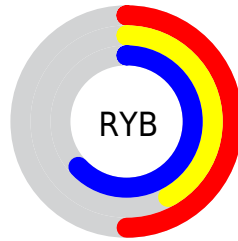
The RYB color **127, 107, 160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **107, 160, 127**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **181, 159, 215**, and **77, 59, 108** is the 20% darker color. If you saturate the color by 10%, you get **117, 91, 160**, and if you desaturate by 10%, it is **137, 123, 160**.

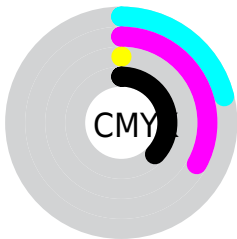
Distribution



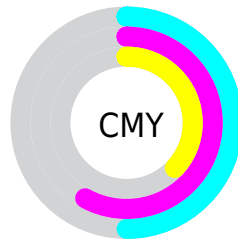
- Red (50%)
- Green (42%)
- Blue (63%)



- Red (50%)
- Yellow (42%)
- Blue (63%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)



- Cyan (50%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 107, 160 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 127, 107, 160 by changing the saturation by 10% instead.

■ 127, 107, 160

255, 255, 255

■ 181, 159, 215

■ 208, 186, 243

■ 237, 213, 255

■ 255, 242, 255

■ 127, 107, 160

■ 101, 83, 134

■ 77, 59, 108

■ 53, 37, 84

■ 30, 17, 60

■ 8, 0, 39

■ 0, 1, 15

■ 0, 0, 0

■ 127, 107, 160

■ 117, 91, 160

■ 127, 107, 160

■ 137, 123, 160


 107, 75, 160

 147, 139, 160


 97, 59, 160

 157, 155, 160

 87, 43, 160


 160, 171, 164

 77, 27, 160

 160, 187, 170

 67, 11, 160

 160, 203, 176

 60, 0, 160

 160, 219, 182

 160, 235, 188

 160, 251, 194

Harmonies

Analogous

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



85, 108, 170



127, 107, 160



155, 98, 138

Triad

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



127, 107, 160



151, 143, 67



5, 70, 131

Complementary

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



127, 107, 160



107, 160, 127

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.



64, 108, 129



127, 107, 160



74, 128, 61

Square

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



127, 107, 160



166, 100, 85



72, 124, 97



0, 69, 148

Rectangle

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



127, 107, 160



165, 95, 121



72, 124, 97



33, 86, 130

Sweetspot

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



127, 107, 160



196, 188, 209



107, 128, 160



97, 92, 105



232, 232, 232



105, 105, 105

Same Dimension

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



127, 107, 160



157, 125, 209



153, 107, 160



74, 71, 79



54, 0, 143



6, 0, 15

Inverse Universe

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



160, 107, 140



209, 125, 178



107, 160, 153



79, 71, 76



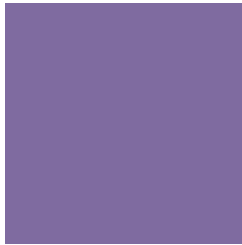
143, 0, 89



15, 0, 10

Previews

White Background



This preview shows how the RYB color 127, 107, 160 looks on a white background.

Color Contrast Check

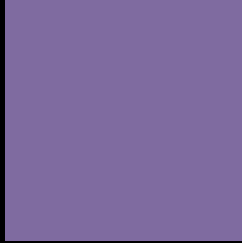
Large Text (above 18pt) WCAG AA ✓ Pass

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 127, 107, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

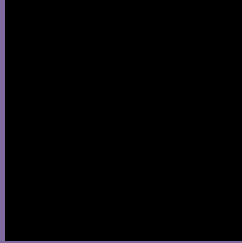
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 127, 107, 160 Background



This preview shows how black text looks on a background with the RYB color 127, 107, 160.



This preview shows how white text looks on a background with the RYB color 127, 107, 160.

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


127, 107, 160

Protanopia

100, 112, 166

Deuteranopia

104, 113, 158



Tritanopia
121, 114, 123

Trichromacy



Original Color

127, 107, 160

Protanomaly

110, 112, 164

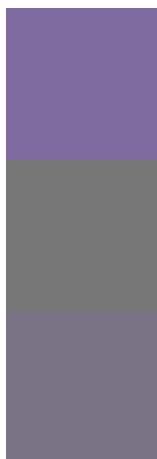
Deuteranomaly

112, 112, 159

Tritanomaly

123, 111, 136

Monochromacy



Original Color

127, 107, 160

Achromatopsia

119, 119, 119

Achromatomaly

122, 115, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 107, 160 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(127, 107, 160)` looks like.

```
.text, #text, p{  
    color:rgb(127, 107, 160)  
}
```

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(127, 107, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 107, 160) }
```

Border

The CSS property to change the border of an element to RYB 127, 107, 160 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(127, 107, 160) }
```

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

```
.border{ border-color:rgb(127, 107, 160) }
```

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

Here you see how a box with a 4 pixel rgb(127, 107, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 107, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 107, 160);  
box-shadow:4px 4px 4px 4px rgb(127, 107,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 127, 107, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 107, 160) }
```

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

```
.background{ background-color: rgb(127,  
107, 160) }
```

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