

Converting Colors

`RYB(111, 67, 147)`

Have a look what the booklet for
RYB(111, 67, 147) contains.

RYB(111, 67, 147)	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(111, 67, 147)

Conversions

Conversions Part 1

Format	Color
Hex	6F4393
RGB	111, 67, 147
RGB Percent	44%, 26%, 58%
CMY	0.5647, 0.7373, 0.4235
CMYK	0.24, 0.54, 0.00, 0.42
HSL	273°, 37%, 42%
HSV	273°, 54%, 58%
XYZ	13.8292, 9.5004, 28.7086
YIQ	89.2760, 0.5440, 34.2080

Conversions

Conversions Part 2

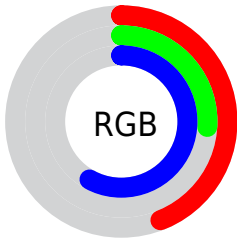
Format	Color
R _Y B	111, 67, 147
Decimal	7291795
CIE Lab	36.93, 34.83, -36.99
CIE LCh	37, 50.807, 313.280
Yxy	9.5004, 0.2658, 0.1826
Android (android.graphics.Color)	4285481875 (0xFF6F4393)
YUV	89.2760, 28.4579, 19.0519
Hunter-Lab	30.8227, 26.1474, -33.6475

Details

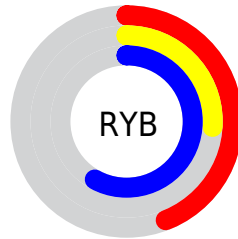
The RYB color **111, 67, 147** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **67, 147, 111**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **165, 117, 201**, and **60, 20, 96** is the 20% darker color. If you saturate the color by 10%, you get **104, 52, 147**, and if you desaturate by 10%, it is **118, 82, 147**.

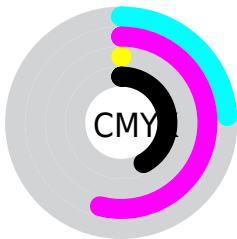
Distribution



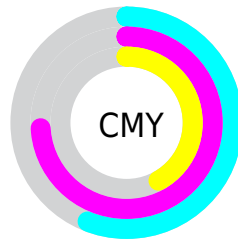
- Red (44%)
- Green (26%)
- Blue (58%)



- Red (44%)
- Yellow (26%)
- Blue (58%)



- Cyan (24%)
- Magenta (54%)
- Yellow (0%)
- Black (42%)



- Cyan (56%)
- Magenta (74%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 67, 147 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 111, 67, 147 by changing the saturation by 10% instead.



111, 67, 147



111, 67, 147

255, 255, 255



85, 43, 121



165, 117, 201



60, 20, 96



193, 143, 230



35, 0, 72



221, 170, 255



10, 0, 49



250, 197, 255



0, 1, 27



255, 225, 255



0, 0, 0

255, 254, 255



111, 67, 147



111, 67, 147



104, 52, 147



118, 82, 147

■ 98, 38, 147

■ 124, 96, 147

■ 91, 23, 147

■ 131, 111, 147

■ 85, 8, 147

■ 137, 126, 147

■ 81, 0, 147

■ 144, 141, 147

■ 147, 155, 151

■ 147, 170, 160

■ 147, 185, 168

■ 147, 199, 175

Harmonies

Analogous

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



15, 63, 167



111, 67, 147



148, 47, 111

Triad

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



111, 67, 147



76, 124, 0



0, 53, 105

Complementary

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



111, 67, 147



67, 147, 111

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, 65, 104



111, 67, 147



0, 91, 2

Square

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



111, 67, 147



149, 65, 32



19, 99, 78



0, 60, 142

Rectangle

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



111, 67, 147



158, 41, 84



19, 99, 78



0, 57, 105

Sweetspot

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



111, 67, 147



177, 161, 191



67, 92, 147



89, 78, 97



224, 224, 224



97, 97, 97

Same Dimension

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



111, 67, 147



135, 67, 191



147, 67, 143



71, 67, 74



76, 0, 138



6, 0, 10

Inverse Universe

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



147, 67, 103



191, 67, 123



67, 143, 147



74, 67, 70



138, 0, 62



10, 0, 5

Previews

White Background



This preview shows how the RYB color 111, 67, 147 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 ✓ Pass

Black Background



This preview shows how the RYB color 111, 67, 147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

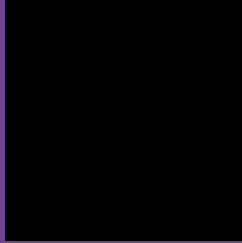
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 111, 67, 147 Background



This preview shows how black text looks on a background with the R Y B color 111, 67, 147.

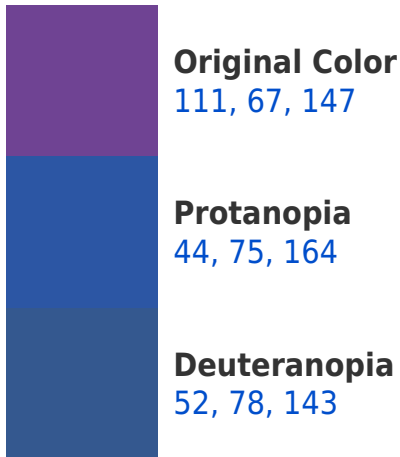


This preview shows how white text looks on a background with the R Y B color 111, 67, 147.

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
101, 82, 88

Trichromacy



Original Color
111, 67, 147

Protanomaly
68, 77, 158

Deuteranomaly
73, 79, 144

Tritanomaly
105, 77, 109

Monochromacy



Original Color
111, 67, 147

Achromatopsia
89, 89, 89

Achromatomaly
97, 81, 110

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 67, 147 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(111, 67, 147)` looks like.

```
.text, #text, p{  
    color:rgb(111, 67, 147)  
}
```

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(111, 67, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 67, 147) }
```

Border

The CSS property to change the border of an element to RYB 111, 67, 147 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(111, 67, 147) }
```

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

```
.border{ border-color:rgb(111, 67, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 67, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 67, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 67, 147);  
box-shadow:4px 4px 4px 4px rgb(111, 67,  
147) }
```

Background

The CSS property to change the background color of an element to RGB 111, 67, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 67, 147) }
```

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

```
.background{ background-color: rgb(111, 67,  
147) }
```

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