

Converting Colors

`RYB(112, 69, 101)`

Have a look what the booklet for
RYB(112, 69, 101) contains.

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Color

R_YB(112, 69, 101)

Conversions

Conversions Part 1

Format	Color
Hex	704565
RGB	112, 69, 101
RGB Percent	44%, 27%, 40%
CMY	0.5608, 0.7294, 0.6039
CMYK	0.00, 0.38, 0.10, 0.56
HSL	315°, 24%, 35%
HSV	315°, 38%, 44%
XYZ	11.1592, 8.6406, 13.3916
YIQ	85.5050, 15.3560, 19.0680

Conversions

Conversions Part 2

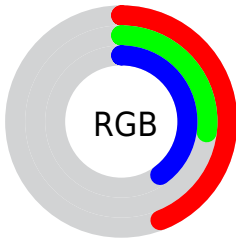
Format	Color
R_{YB}	112, 69, 101
Decimal	7357797
CIE _{Lab}	35.28, 23.79, -11.04
CIE _{LCh}	35, 26.223, 335.096
Yxy	8.6406, 0.3362, 0.2603
Android (android.graphics.Color)	4285547877 (0xFF704565)
YUV	85.5050, 7.6390, 23.2361
Hunter-Lab	29.3949, 16.3230, -6.4347

Details

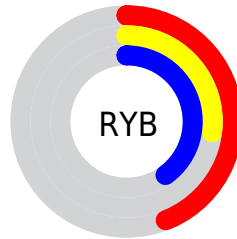
The RYB color **112, 69, 101** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **69, 103, 112**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **165, 118, 152**, and **63, 24, 54** is the 20% darker color. If you saturate the color by 10%, you get **112, 58, 98**, and if you desaturate by 10%, it is **112, 80, 104**.

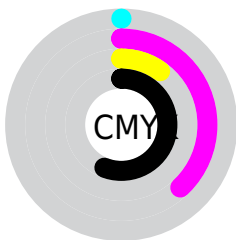
Distribution



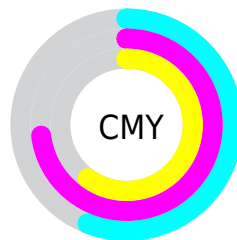
- Red (44%)
- Green (27%)
- Blue (40%)



- Red (44%)
- Yellow (27%)
- Blue (40%)



- Cyan (0%)
- Magenta (38%)
- Yellow (10%)
- Black (56%)






















- Cyan (56%)
- Magenta (73%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 69, 101 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 112, 69, 101 by changing the saturation by 10% instead.

 112, 69, 101	 112, 69, 101
 255, 255, 255	 87, 46, 77
 165, 118, 152	 63, 24, 54
 192, 144, 179	 40, 1, 33
 220, 171, 206	 6, 0, 7
 249, 198, 234	 0, 0, 0
 255, 226, 255	

 112, 69, 101	 112, 69, 101
 112, 58, 98	 112, 80, 104
 112, 47, 95	 112, 91, 107

■ 112, 35, 92

■ 112, 103, 110

■ 112, 24, 90

■ 112, 114, 114

■ 112, 13, 87

■ 112, 123, 125

■ 112, 2, 84

■ 112, 131, 136

■ 112, 0, 83

■ 112, 140, 147

■ 112, 149, 159

■ 112, 158, 170

Harmonies

Analogous

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



90, 76, 117



112, 69, 101



122, 66, 80

Triad

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



112, 69, 101



52, 93, 40



0, 50, 106

Complementary

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



112, 69, 101



69, 103, 112

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, 49, 94



112, 69, 101



48, 89, 67

Square

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



112, 69, 101



110, 104, 45



44, 77, 92



0, 52, 121

Rectangle

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



112, 69, 101



123, 67, 66



44, 77, 92



0, 48, 100

Sweetspot

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



112, 69, 101



145, 128, 141



80, 69, 112



74, 64, 71



201, 201, 201



74, 74, 74

Same Dimension

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



112, 69, 101



145, 78, 128



112, 69, 80



56, 50, 55



120, 0, 89



247, 0, 184

Inverse Universe

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



112, 69, 101



145, 78, 128



69, 94, 112



56, 50, 55



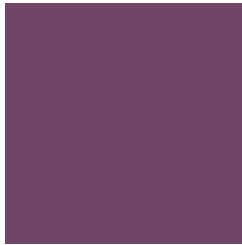
120, 0, 89



247, 0, 184

Previews

White Background



This preview shows how the RYB color 112, 69, 101 looks on a white background.

Color Contrast Check

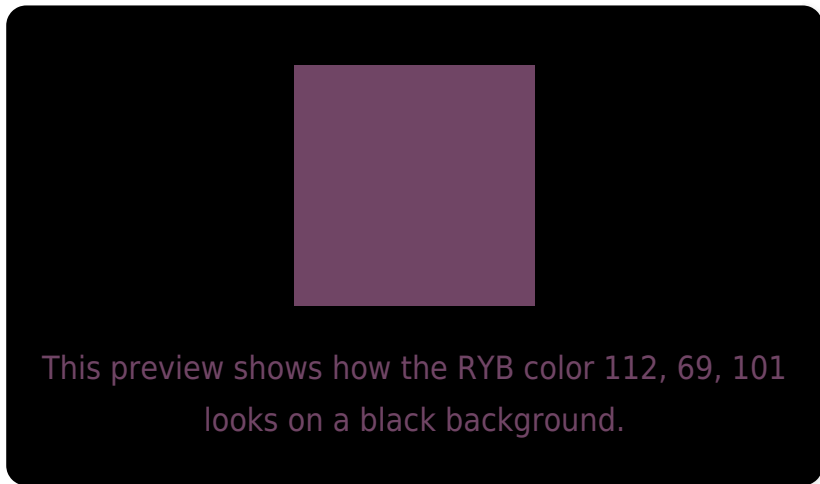
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

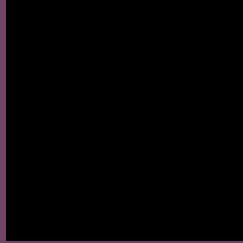
Any Text WCAG AA × Fail

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](#).

RYB 112, 69, 101 Background



This preview shows how black text looks on a background with the RYB color 112, 69, 101.



This preview shows how white text looks on a background with the RYB color 112, 69, 101.

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
112, 69, 101

Protanopia
76, 81, 111

Deuteranopia
84, 81, 99



Tritanopia
109, 73, 79

Trichromacy



Original Color

112, 69, 101

Protanomaly

89, 77, 107

Deuteranomaly

94, 77, 100

Tritanomaly

110, 72, 87

Monochromacy



Original Color

112, 69, 101

Achromatopsia

86, 86, 86

Achromatomaly

95, 80, 91

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 69, 101 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(112, 69, 101) looks like.

```
.text, #text, p{  
    color:rgb(112, 69, 101)  
}
```

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(112, 69, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 69, 101) }
```

Border

The CSS property to change the border of an element to RYB 112, 69, 101 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(112, 69, 101) }
```

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

```
.border{ border-color:rgb(112, 69, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 69, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 69, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 69, 101);  
box-shadow:4px 4px 4px 4px rgb(112, 69,  
101) }
```

Background

The CSS property to change the background color of an element to RGB 112, 69, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 69, 101) }
```

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

```
.background{ background-color: rgb(112, 69,  
101) }
```

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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