

Converting Colors

`RYB(113, 42, 107)`

Have a look what the booklet for
RYB(113, 42, 107) contains.

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Color

`RYB(113, 42, 107)`

Conversions

Conversions Part 1

Format	Color
Hex	712A6B
RGB	113, 42, 107
RGB Percent	44%, 16%, 42%
CMY	0.5569, 0.8353, 0.5804
CMYK	0.00, 0.63, 0.05, 0.56
HSL	305°, 46%, 30%
HSV	305°, 63%, 44%
XYZ	10.2919, 6.2282, 14.5696
YIQ	70.6390, 21.4510, 35.2670

Conversions

Conversions Part 2

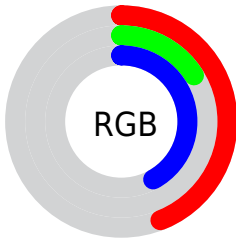
Format	Color
R_{YB}	113, 42, 107
Decimal	7416427
CIE _{Lab}	29.98, 40.12, -23.02
CIE _{LCh}	30, 46.257, 330.157
Yxy	6.2282, 0.3310, 0.2003
Android (android.graphics.Color)	4285606507 (0xFF712A6B)
YUV	70.6390, 17.9260, 37.1506
Hunter-Lab	24.9563, 29.9390, -17.1444

Details

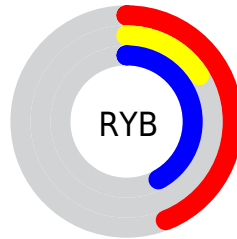
The RYB color **113, 42, 107** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **42, 107, 113**, and the grayscale version is **70, 70, 70**.

A 20% lighter version of the original color is **167, 92, 159**, and **62, 0, 59** is the 20% darker color. If you saturate the color by 10%, you get **113, 31, 106**, and if you desaturate by 10%, it is **113, 53, 108**.

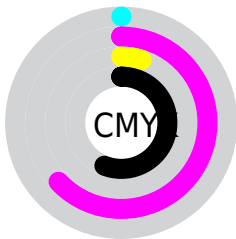
Distribution



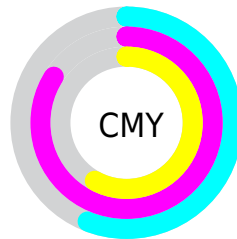
- Red (44%)
- Green (16%)
- Blue (42%)



- Red (44%)
- Yellow (16%)
- Blue (42%)



- Cyan (0%)
- Magenta (63%)
- Yellow (5%)
- Black (56%)



- Cyan (56%)
- Magenta (84%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 42, 107 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 113, 42, 107 by changing the saturation by 10% instead.

 113, 42, 107

 113, 42, 107

255, 255, 255

 87, 15, 83

 167, 92, 159

 62, 0, 59

 195, 118, 186

 42, 0, 38

 223, 145, 214

 0, 1, 14

 253, 172, 242

 0, 0, 0

 255, 200, 255

 255, 228, 255

 113, 42, 107

 113, 42, 107

 113, 31, 106

 113, 53, 108

■ 113, 19, 105

■ 113, 65, 109

■ 113, 8, 104

■ 113, 76, 110

■ 113, 0, 103

■ 113, 87, 111

■ 113, 98, 112

■ 113, 110, 113

■ 113, 120, 121

■ 113, 130, 132

■ 113, 141, 144

Harmonies

Analogous

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



67, 61, 133



113, 42, 107



132, 29, 72

Triad

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



113, 42, 107



21, 86, 0



0, 47, 106

Complementary

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



113, 42, 107



42, 107, 113

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, 47, 86



113, 42, 107



0, 79, 29

Square

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



113, 42, 107



114, 101, 1



0, 61, 84



0, 51, 133

Rectangle

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



113, 42, 107



133, 32, 48



0, 61, 84



0, 45, 94

Sweetspot

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



113, 42, 107



148, 120, 146



48, 42, 113



74, 57, 73



201, 201, 201



74, 74, 74

Same Dimension

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



113, 42, 107



148, 37, 139



113, 42, 72



56, 50, 56



120, 0, 110



247, 0, 226

Inverse Universe

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



113, 42, 107



148, 37, 139



42, 87, 113



56, 50, 56



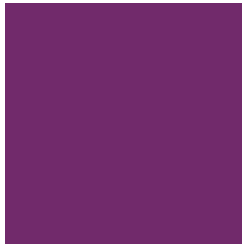
120, 0, 110



247, 0, 226

Previews

White Background



This preview shows how the RYB color 113, 42, 107 looks on a white background.

Color Contrast Check

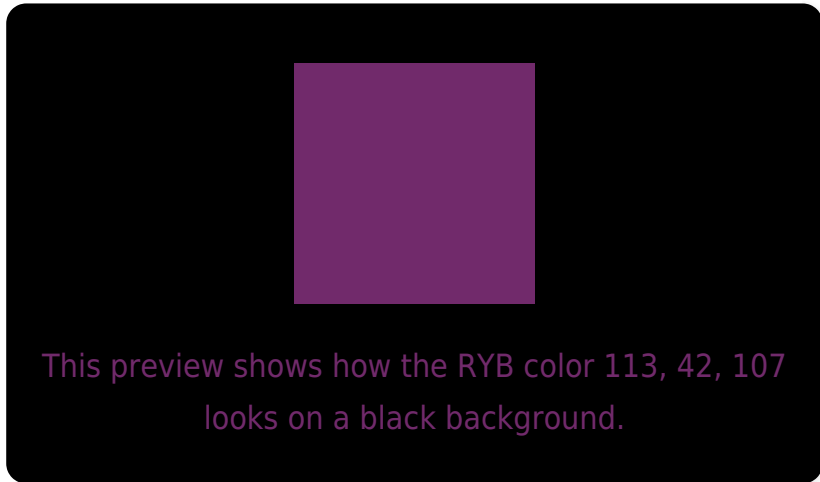
Large Text (above 18pt) WCAG AA ✓ Pass

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

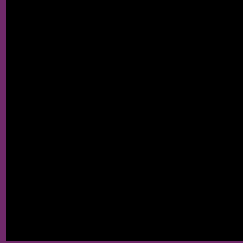
Any Text WCAG AA × Fail

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](#).

RYP 113, 42, 107 Background



This preview shows how black text looks on a background with the RYB color 113, 42, 107.

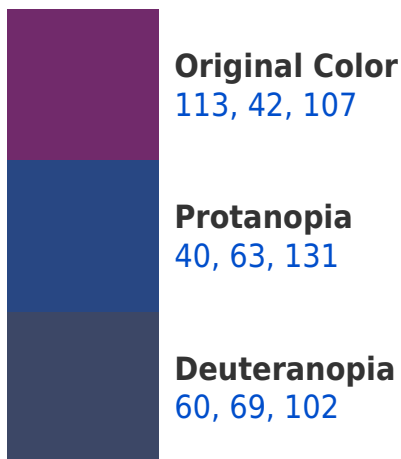


This preview shows how white text looks on a background with the RYB color 113, 42, 107.

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

108, 56, 59

Trichromacy



Original Color
113, 42, 107

Protanomaly
67, 60, 122

Deuteranomaly
79, 60, 104

Tritanomaly
110, 51, 76

Monochromacy



Original Color
113, 42, 107

Achromatopsia
71, 71, 71

Achromatomaly
86, 60, 84

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 42, 107 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(113, 42, 107)` looks like.

```
.text, #text, p{  
    color:rgb(113, 42, 107)  
}
```

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(113, 42, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 42, 107) }
```

Border

The CSS property to change the border of an element to RYB 113, 42, 107 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(113, 42, 107) }
```

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

```
.border{ border-color:rgb(113, 42, 107) }
```

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

Here you see how a box with a 4 pixel rgb(113, 42, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 42, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 42, 107);  
box-shadow:4px 4px 4px 4px rgb(113, 42,  
107) }
```

Background

The CSS property to change the background color of an element to RGB 113, 42, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 42, 107) }
```

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

```
.background{ background-color: rgb(113, 42,  
107) }
```

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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