

Converting Colors

`RYB(112, 52, 148)`

Have a look what the booklet for
RYB(112, 52, 148) contains.

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Color

R_YB(112, 52, 148)

Conversions

Conversions Part 1

Format	Color
Hex	703494
RGB	112, 52, 148
RGB Percent	44%, 20%, 58%
CMY	0.5608, 0.7961, 0.4196
CMYK	0.24, 0.65, 0.00, 0.42
HSL	278°, 48%, 39%
HSV	278°, 65%, 58%
XYZ	13.2554, 8.0388, 28.8700
YIQ	80.8840, 4.9440, 42.5760

Conversions

Conversions Part 2

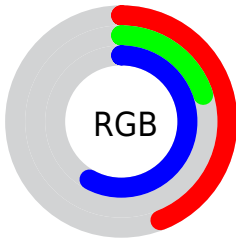
Format	Color
R _Y B	112, 52, 148
Decimal	7353492
CIE Lab	34.06, 43.50, -42.17
CIE LCh	34, 60.585, 315.889
Yxy	8.0388, 0.2642, 0.1603
Android (android.graphics.Color)	4285543572 (0xFF703494)
YUV	80.8840, 33.0882, 27.2887
Hunter-Lab	28.3529, 33.8339, -40.5244

Details

The RYB color **112, 52, 148** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **52, 148, 112**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **166, 102, 203**, and **60, 0, 96** is the 20% darker color. If you saturate the color by 10%, you get **106, 37, 148**, and if you desaturate by 10%, it is **118, 67, 148**.

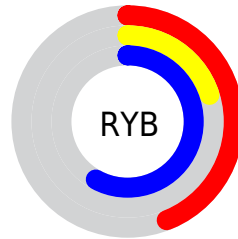
Distribution



Red (44%)

Green (20%)

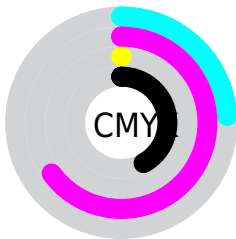
Blue (58%)



Red (44%)

Yellow (20%)

Blue (58%)

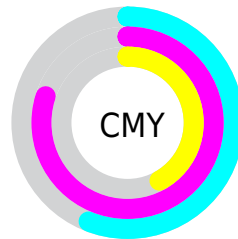


Cyan (24%)

Magenta (65%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (80%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 52, 148 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, 52, 148 by changing the saturation by 10% instead.

 112, 52, 148

255, 255, 255

 166, 102, 203


 195, 128, 231

 223, 155, 255

 253, 183, 255


 255, 211, 255

 255, 239, 255

 112, 52, 148

 86, 26, 122

 60, 0, 96

 35, 0, 72

 0, 0, 49

 0, 1, 27

 0, 0, 0

 112, 52, 148

 106, 37, 148

 112, 52, 148

 118, 67, 148

■ 101, 22, 148

■ 123, 82, 148

■ 95, 8, 148

■ 129, 96, 148

■ 93, 0, 148

■ 134, 111, 148

■ 140, 126, 148

■ 145, 141, 148

■ 148, 156, 153

■ 148, 170, 162

■ 148, 185, 171

Harmonies

Analogous

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



0, 54, 174



112, 52, 148



152, 13, 105

Triad

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



112, 52, 148



79, 117, 0



0, 51, 105

Complementary

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



112, 52, 148



52, 148, 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, 64, 99



112, 52, 148



0, 86, 11

Square

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



112, 52, 148



148, 57, 7



0, 95, 95



0, 59, 149

Rectangle

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



112, 52, 148



162, 0, 73



0, 95, 95



0, 53, 100

Sweetspot

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



112, 52, 148



178, 155, 191



52, 79, 148



89, 75, 97



224, 224, 224



97, 97, 97

Same Dimension

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



112, 52, 148



135, 42, 191



148, 52, 137



71, 67, 74



86, 0, 138



6, 0, 10

Inverse Universe

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



148, 52, 88



191, 42, 98



52, 138, 148



74, 67, 69



138, 0, 52



10, 0, 4

Previews

White Background



This preview shows how the RYB color 112, 52, 148 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 112, 52, 148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

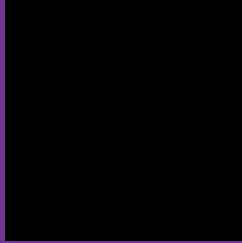
Any Text WCAG AA × Fail

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](#).

RYB 112, 52, 148 Background



This preview shows how black text looks on a background with the RYB color 112, 52, 148.

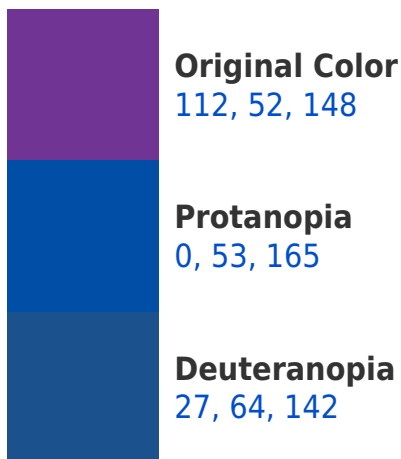


This preview shows how white text looks on a background with the RYB color 112, 52, 148.

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, 73, 79

Trichromacy



Original Color

112, 52, 148



Protanomaly

41, 64, 159



Deuteranomaly

58, 69, 144



Tritanomaly

105, 65, 104

Monochromacy



Original Color

112, 52, 148



Achromatopsia

81, 81, 81



Achromatomaly

92, 70, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 52, 148 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, 52, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 52, 148)  
}
```

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, 52, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 52, 148) }
```

Border

The CSS property to change the border of an element to RYB 112, 52, 148 is called "border". The border property can be set on classes, ids or directly on the HTML element.

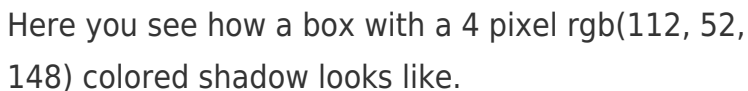
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 52, 148) }
```

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

```
.border{ border-color:rgb(112, 52, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 52, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 52, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 52, 148); box-shadow:4px 4px 4px 4px rgb(112, 52, 148) }
```

Background

The CSS property to change the background color of an element to RGB 112, 52, 148 is called "background".

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

```
.background, #background, body{  
background: rgb(112, 52, 148) }
```

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

```
.background{ background-color: rgb(112, 52,  
148) }
```

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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