

Converting Colors

`RYB(112, 77, 118)`

Have a look what the booklet for
RYB(112, 77, 118) contains.

RYB(112, 77, 118)	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(112, 77, 118)

Conversions

Conversions Part 1

Format	Color
Hex	704D76
RGB	112, 77, 118
RGB Percent	44%, 30%, 46%
CMY	0.5608, 0.6980, 0.5373
CMYK	0.05, 0.35, 0.00, 0.54
HSL	291°, 21%, 38%
HSV	291°, 35%, 46%
XYZ	12.6060, 10.0605, 18.4170
YIQ	92.1390, 7.6990, 20.1710

Conversions

Conversions Part 2

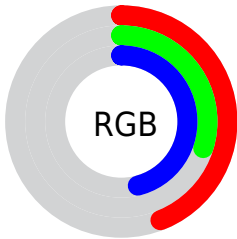
Format	Color
R_{YB}	112, 77, 118
Decimal	7359862
CIE _{Lab}	37.95, 22.44, -17.59
CIE _{LCh}	38, 28.511, 321.910
Yxy	10.0605, 0.3068, 0.2449
Android (android.graphics.Color)	4285549942 (0xFF704D76)
YUV	92.1390, 12.7495, 17.4181
Hunter-Lab	31.7183, 15.4352, -12.2235

Details

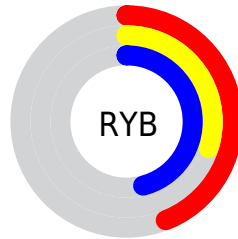
The RYB color **112, 77, 118** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **77, 118, 112**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **164, 127, 170**, and **63, 32, 70** is the 20% darker color. If you saturate the color by 10%, you get **110, 65, 118**, and if you desaturate by 10%, it is **114, 89, 118**.

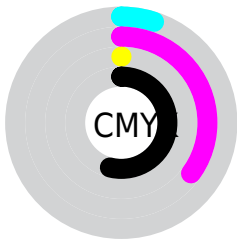
Distribution



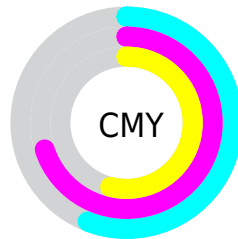
- Red (44%)
- Green (30%)
- Blue (46%)



- Red (44%)
- Yellow (30%)
- Blue (46%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (54%)



- Cyan (56%)
- Magenta (70%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 77, 118 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, 77, 118 by changing the saturation by 10% instead.



112, 77, 118



112, 77, 118

255, 255, 255



87, 54, 93



164, 127, 170



63, 32, 70



192, 153, 198



40, 10, 47



220, 180, 226



18, 0, 26



248, 207, 254



0, 0, 0



255, 236, 255



112, 77, 118



112, 77, 118



110, 65, 118



114, 89, 118



109, 53, 118



115, 101, 118

107, 42, 118

117, 112, 118

105, 30, 118

118, 124, 123

103, 18, 118

118, 136, 133

102, 6, 118

118, 148, 144

101, 0, 118

118, 160, 154

118, 171, 163

118, 183, 173

Harmonies

Analogous

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



82, 86, 132



112, 77, 118



129, 71, 97

Triad

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



112, 77, 118



78, 109, 43



0, 52, 106

Complementary

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



112, 77, 118



77, 118, 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.



21, 66, 101



112, 77, 118



45, 93, 51

Square

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



112, 77, 118



126, 90, 54



60, 98, 98



0, 55, 125

Rectangle

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



112, 77, 118



133, 71, 81



60, 98, 98



0, 51, 101

Sweetspot

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



112, 77, 118



151, 138, 153



77, 82, 118



75, 67, 77



204, 204, 204



77, 77, 77

Same Dimension

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



112, 77, 118



144, 89, 153



118, 77, 104



58, 53, 59



104, 0, 122



213, 0, 250

Inverse Universe

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



118, 77, 83



153, 89, 98



77, 108, 118



59, 53, 54



122, 0, 18



250, 0, 37

Previews

White Background



This preview shows how the RYB color 112, 77, 118 looks on a white background.

Color Contrast Check

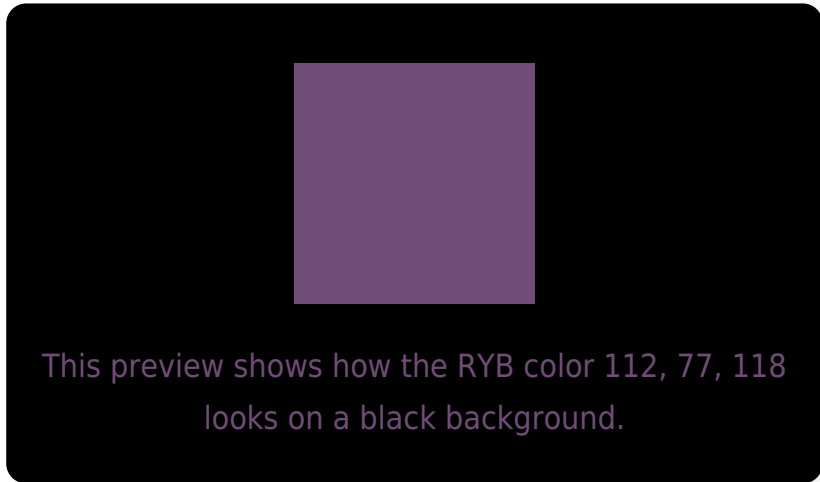
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

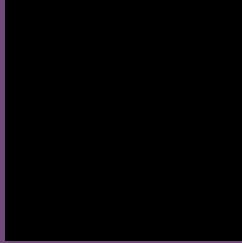
Any Text WCAG AA × Fail

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 112, 77, 118 Background



This preview shows how black text looks on a background with the R Y B color 112, 77, 118.



This preview shows how white text looks on a background with the R Y B color 112, 77, 118.

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, 77, 118

Protanopia
78, 86, 127

Deuteranopia
84, 88, 116



Tritanopia
108, 83, 89

Trichromacy



Original Color
112, 77, 118

Protanomaly
90, 84, 124

Deuteranomaly
94, 84, 117

Tritanomaly
109, 81, 100

Monochromacy



Original Color
112, 77, 118

Achromatopsia
92, 92, 92

Achromatomaly
99, 87, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 77, 118 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, 77, 118)` looks like.

```
.text, #text, p{  
    color:rgb(112, 77, 118)  
}
```

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, 77, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 77, 118) }
```

Border

The CSS property to change the border of an element to RYB 112, 77, 118 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, 77, 118) }
```

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

```
.border{ border-color:rgb(112, 77, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 77, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 77, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 77, 118);  
box-shadow:4px 4px 4px 4px rgb(112, 77,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 112, 77, 118 is called "background".

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

```
.background, #background, body{  
background: rgb(112, 77, 118) }
```

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

```
.background{ background-color: rgb(112, 77,  
118) }
```

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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