

Converting Colors

`RYB(140, 112, 179)`

Have a look what the booklet for
RYB(140, 112, 179) contains.

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Color

R_YB(140, 112, 179)

Conversions

Conversions Part 1

Format	Color
Hex	8C70B3
RGB	140, 112, 179
RGB Percent	55%, 44%, 70%
CMY	0.4510, 0.5608, 0.2980
CMYK	0.22, 0.37, 0.00, 0.30
HSL	265°, 31%, 57%
HSV	265°, 37%, 70%
XYZ	24.7461, 20.4185, 45.2847
YIQ	128.0100, -4.8190, 26.7730

Conversions

Conversions Part 2

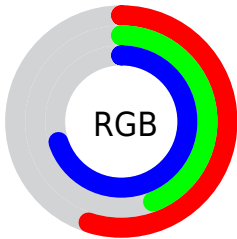
Format	Color
R_{YB}	140, 112, 179
Decimal	9203891
CIE _{Lab}	52.31, 24.84, -31.52
CIE _{LCh}	52, 40.132, 308.247
Yxy	20.4185, 0.2736, 0.2257
Android (android.graphics.Color)	4287393971 (0xFF8C70B3)
YUV	128.0100, 25.1381, 10.5152
Hunter-Lab	45.1868, 18.6768, -27.7877

Details

The RYB color **140, 112, 179** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **112, 179, 140**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **195, 164, 235**, and **88, 64, 126** is the 20% darker color. If you saturate the color by 10%, you get **130, 94, 179**, and if you desaturate by 10%, it is **150, 130, 179**.

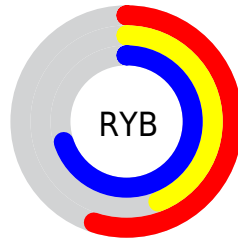
Distribution



Red (55%)

Green (44%)

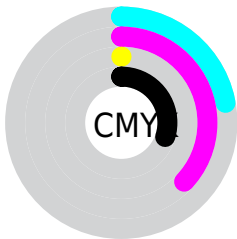
Blue (70%)



Red (55%)

Yellow (44%)

Blue (70%)

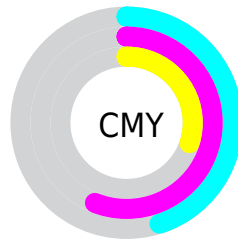


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (45%)


Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 112, 179 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 140, 112, 179 by changing the saturation by 10% instead.

 140, 112, 179


255, 255, 255

 195, 164, 235

 223, 191, 255

 252, 219, 255

 255, 248, 255

 140, 112, 179

 114, 87, 152

 88, 64, 126

 64, 41, 101

 39, 20, 76


 19, 0, 53

 0, 2, 31

 0, 0, 2

 0, 0, 0

 140, 112, 179

 140, 112, 179

130, 94, 179

150, 130, 179

119, 76, 179

161, 148, 179

109, 58, 179

171, 166, 179

98, 40, 179

179, 184, 181

88, 23, 179

179, 202, 189

77, 5, 179

179, 219, 195

75, 0, 179

179, 237, 203

179, 255, 211

179, 255, 200

Harmonies

Analogous

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



84, 114, 193



140, 112, 179



175, 100, 151

Triad

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



140, 112, 179



162, 166, 60



0, 73, 142

Complementary

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



140, 112, 179



112, 179, 140

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.



49, 108, 140



140, 112, 179



65, 136, 54

Square

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



140, 112, 179



185, 106, 84



69, 135, 105



0, 76, 166

Rectangle

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



140, 112, 179



187, 96, 128



69, 135, 105



0, 76, 142

Sweetspot

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



140, 112, 179



217, 207, 232



112, 137, 179



108, 102, 117



245, 245, 245



117, 117, 117

Same Dimension

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



140, 112, 179



171, 128, 232



173, 112, 179



84, 80, 89



64, 0, 153



11, 0, 26

Inverse Universe

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



179, 112, 151



232, 128, 188



112, 179, 173



89, 80, 86



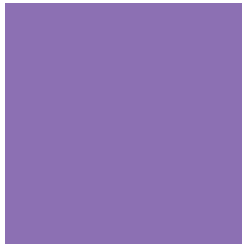
153, 0, 89



26, 0, 15

Previews

White Background



This preview shows how the RYB color 140, 112, 179 looks on a white background.

Color Contrast Check

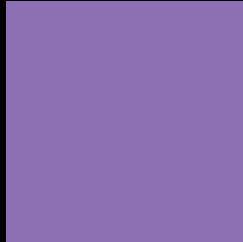
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 140, 112, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

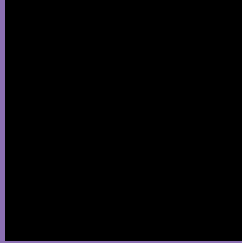
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 140, 112, 179 Background



This preview shows how black text looks on a background with the RYB color 140, 112, 179.

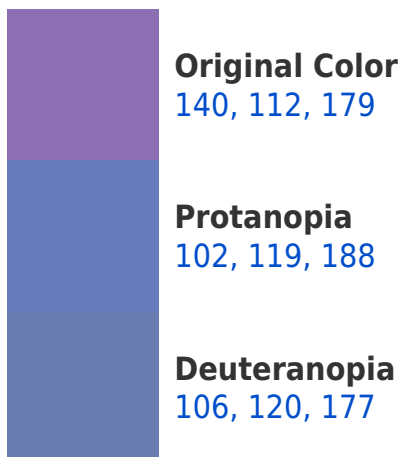


This preview shows how white text looks on a background with the RYB color 140, 112, 179.

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
132, 122, 131

Trichromacy



Original Color
140, 112, 179

Protanomaly
116, 119, 185

Deuteranomaly
118, 120, 178

Tritanomaly
135, 118, 148

Monochromacy



Original Color
140, 112, 179

Achromatopsia
128, 128, 128

Achromatomaly
132, 122, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 112, 179 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(140, 112, 179)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 179)  
}
```

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(140, 112, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 179) }
```

Border

The CSS property to change the border of an element to RYB 140, 112, 179 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(140, 112, 179) }
```

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

```
.border{ border-color:rgb(140, 112, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 112, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 179);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
179) }
```

Background

The CSS property to change the background color of an element to RYB 140, 112, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 179) }
```

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

```
.background{ background-color: rgb(140,  
112, 179) }
```

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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