

Converting Colors

`RYB(112, 0, 172)`

Have a look what the booklet for
RYB(112, 0, 172) contains.

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Color

R_YB(112, 0, 172)

Conversions

Conversions Part 1

Format	Color
Hex	7000AC
RGB	112, 0, 172
RGB Percent	44%, 0%, 67%
CMY	0.5608, 1.0000, 0.3255
CMYK	0.35, 1.00, 0.00, 0.33
HSL	279°, 100%, 34%
HSV	279°, 100%, 67%
XYZ	14.1285, 6.4233, 39.5249
YIQ	53.0960, 11.5400, 77.2360

Conversions

Conversions Part 2

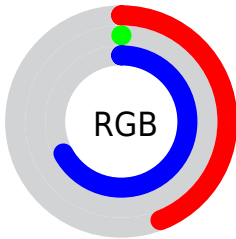
Format	Color
R _Y B	112, 0, 172
Decimal	7340204
CIE Lab	30.46, 64.62, -62.57
CIE LCh	30, 89.952, 315.922
Yxy	6.4233, 0.2352, 0.1069
Android (android.graphics.Color)	4285530284 (0xFF7000AC)
YUV	53.0960, 58.6197, 51.6588
Hunter-Lab	25.3442, 55.1548, -74.7231

Details

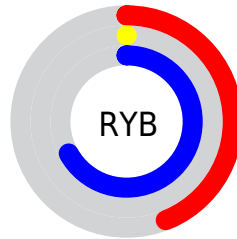
The RYB color **112, 0, 172** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **0, 172, 112**, and the grayscale version is **53, 53, 53**.

A 20% lighter version of the original color is **170, 72, 229**, and **54, 0, 118** is the 20% darker color. If you saturate the color by 10%, you get **112, 0, 172**, and if you desaturate by 10%, it is **118, 17, 172**.

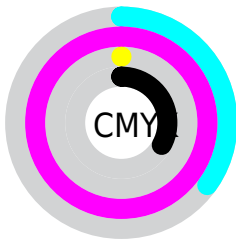
Distribution



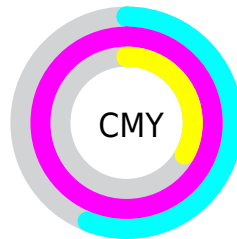
- Red (44%)
- Green (0%)
- Blue (67%)



- Red (44%)
- Yellow (0%)
- Blue (67%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)




- Cyan (56%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 0, 172 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, 0, 172 by changing the saturation by 10% instead.

 112, 0, 172

 112, 0, 172

255, 255, 255

 83, 0, 145

 170, 72, 229

 54, 0, 118

 199, 100, 255

 25, 0, 93

 229, 128, 255

 0, 0, 68

 255, 155, 255

 0, 3, 45

 255, 184, 255

 0, 1, 23

 255, 212, 255

 0, 0, 0

 255, 242, 255

 112, 0, 172

■ 118, 17, 172

■ 124, 34, 172

■ 130, 52, 172

■ 136, 69, 172

■ 142, 86, 172

■ 148, 103, 172

■ 154, 120, 172

■ 160, 138, 172

■ 166, 155, 172

Harmonies

Analogous

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



0, 53, 212



112, 0, 172



172, 0, 108

Triad

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



112, 0, 172



115, 109, 0



0, 51, 109

Complementary

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



112, 0, 172



0, 172, 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, 69, 94



112, 0, 172



0, 80, 28

Square

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



112, 0, 172



159, 0, 0



0, 90, 90



0, 62, 174

Rectangle

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



112, 0, 172



183, 0, 62



0, 90, 90



0, 50, 95

Sweetspot

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



112, 0, 172



201, 157, 224



0, 44, 172



98, 72, 112



240, 240, 240



112, 112, 112

Same Dimension

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



112, 0, 172



146, 0, 224



172, 0, 146



84, 78, 87



98, 0, 150



15, 0, 23

Inverse Universe

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



172, 0, 60



224, 0, 78



0, 149, 172



87, 78, 81



150, 0, 52



23, 0, 8

Previews

White Background



This preview shows how the RYB color 112, 0, 172 looks on a white background.

Color Contrast Check

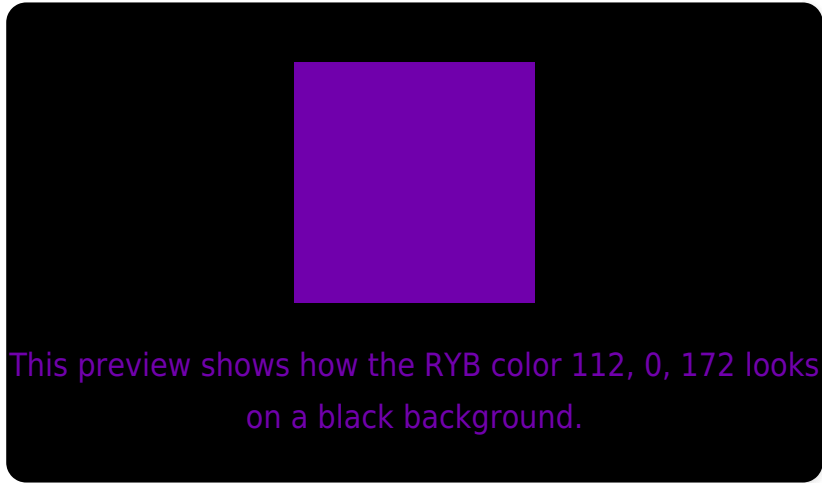
Large Text (above 18pt) WCAG AA ✓ Pass

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

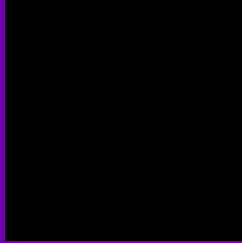
Any Text WCAG AA × Fail

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](#).

R Y B 112, 0, 172 Background



This preview shows how black text looks on a background with the R Y B color 112, 0, 172.



This preview shows how white text looks on a background with the R Y B color 112, 0, 172.

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, 0, 172

Protanopia

0, 49, 151

Deuteranopia

0, 48, 131



Tritanopia

93, 67, 72

Trichromacy



Original Color

112, 0, 172



Protanomaly

41, 46, 159



Deuteranomaly

41, 48, 146



Tritanomaly

100, 43, 108

Monochromacy



Original Color

112, 0, 172



Achromatopsia

53, 53, 53



Achromatomaly

74, 34, 96

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 0, 172 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, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 172)  
}
```

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, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 172) }
```

Border

The CSS property to change the border of an element to RYB 112, 0, 172 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, 0, 172) }
```

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

```
.border{ border-color:rgb(112, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 112, 0, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 172) }
```

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

```
.background{ background-color: rgb(112, 0,  
172) }
```

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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