

Converting Colors

R_YB(70, 0, 178)

Have a look what the booklet for
RYB(70, 0, 178) contains.

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Color

R_YB(70, 0, 178)

Conversions

Conversions Part 1

Format	Color
Hex	4600B2
RGB	70, 0, 178
RGB Percent	27%, 0%, 70%
CMY	0.7255, 1.0000, 0.3020
CMYK	0.61, 1.00, 0.00, 0.30
HSL	264°, 100%, 35%
HSV	264°, 100%, 70%
XYZ	10.5617, 4.5164, 42.4346
YIQ	41.2220, -15.4180, 70.1980

Conversions

Conversions Part 2

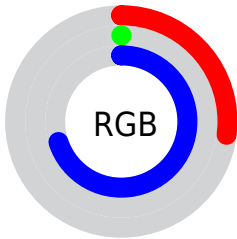
Format	Color
R _Y B	70, 0, 178
Decimal	4587698
CIE Lab	25.31, 62.32, -74.86
CIE LCh	25, 97.409, 309.776
Yxy	4.5164, 0.1836, 0.0785
Android (android.graphics.Color)	4282777778 (0xFF4600B2)
YUV	41.2220, 67.4316, 25.2383
Hunter-Lab	21.2519, 51.5191, -103.5104

Details

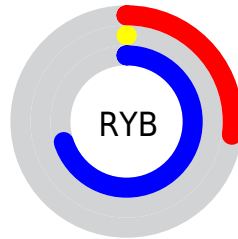
The RYB color **70, 0, 178** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **0, 178, 70**, and the grayscale version is **41, 41, 41**.

A 20% lighter version of the original color is **132, 65, 235**, and **0, 0, 124** is the 20% darker color. If you saturate the color by 10%, you get **70, 0, 178**, and if you desaturate by 10%, it is **81, 18, 178**.

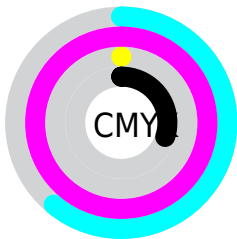
Distribution



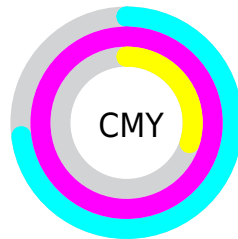
- Red (27%)
- Green (0%)
- Blue (70%)



- Red (27%)
- Yellow (0%)
- Blue (70%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (73%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the RYB color 70, 0, 178 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 70, 0, 178 by changing the saturation by 10% instead.


 70, 0, 178

 70, 0, 178

255, 255, 255

 31, 0, 150

 132, 65, 235

 0, 0, 124

 162, 92, 255

 0, 0, 98

 192, 119, 255

 0, 8, 73

 223, 146, 255

 0, 4, 49

 253, 174, 255

 0, 1, 27

 255, 202, 255

 0, 0, 0

 255, 231, 255

 70, 0, 178

■ 81, 18, 178

■ 92, 36, 178

■ 102, 53, 178

■ 113, 71, 178

■ 124, 89, 178

■ 135, 107, 178

■ 146, 125, 178

■ 156, 142, 178

■ 167, 160, 178

Harmonies

Analogous

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



0, 51, 213



70, 0, 178



156, 0, 113

Triad

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



70, 0, 178



113, 45, 0



0, 42, 84

Complementary

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



70, 0, 178



0, 178, 70

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, 80, 80



70, 0, 178



0, 66, 14

Square

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



70, 0, 178



155, 0, 0



0, 77, 77



0, 55, 156

Rectangle

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



70, 0, 178



174, 0, 65



0, 77, 77



0, 48, 82

Sweetspot

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



70, 0, 178



190, 162, 232



0, 68, 178



92, 75, 117



245, 245, 245



117, 117, 117

Same Dimension

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



70, 0, 178



91, 0, 232



157, 0, 178



84, 80, 89



60, 0, 153



10, 0, 26

Inverse Universe

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



178, 0, 108



232, 0, 141



0, 178, 157



89, 80, 86



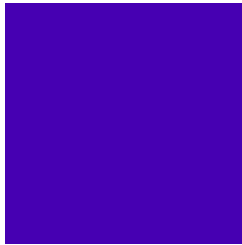
153, 0, 93



26, 0, 15

Previews

White Background



This preview shows how the RYB color 70, 0, 178 looks on a white background.

Color Contrast Check

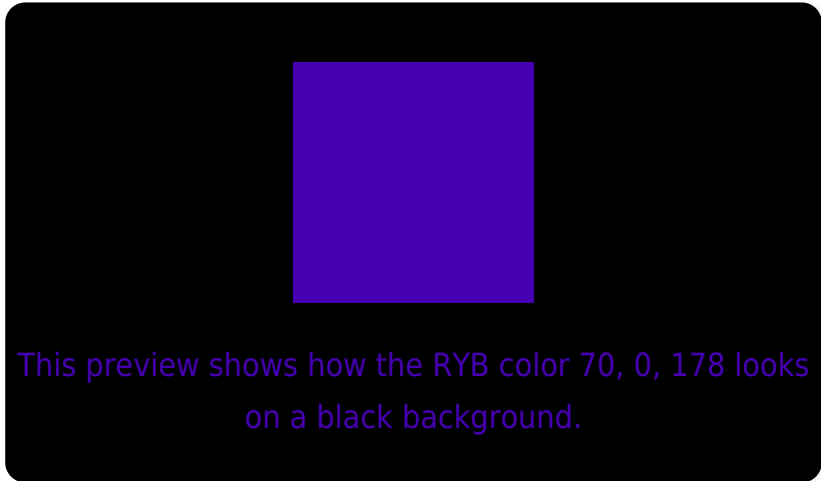
Large Text (above 18pt) WCAG AA ✓ Pass

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

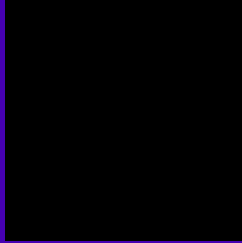
Any Text WCAG AA × Fail

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_YB 70, 0, 178 Background



This preview shows how black text looks on a background with the R_YB color 70, 0, 178.



This preview shows how white text looks on a background with the R_YB color 70, 0, 178.

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

70, 0, 178

Protanopia

0, 41, 127

Deuteranopia

0, 41, 108



Tritanopia
15, 43, 75

Trichromacy



Original Color

70, 0, 178

Protanomaly

25, 38, 146

Deuteranomaly

25, 39, 133

Tritanomaly

35, 43, 112

Monochromacy



Original Color

70, 0, 178

Achromatopsia

41, 41, 41

Achromatomaly

52, 26, 91

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 0, 178 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(70, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 178)  
}
```

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(70, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 178) }
```

Border

The CSS property to change the border of an element to RYB 70, 0, 178 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(70, 0, 178) }
```

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

```
.border{ border-color:rgb(70, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 178)  
}
```

Background

The CSS property to change the background color of an element to RGB 70, 0, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 178) }
```

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

```
.background{ background-color: rgb(70, 0,  
178) }
```

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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