

Converting Colors

`RYB(140, 0, 224)`

Have a look what the booklet for
RYB(140, 0, 224) contains.

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Color

R_YB(140, 0, 224)

Conversions

Conversions Part 1

Format	Color
Hex	8C00E0
RGB	140, 0, 224
RGB Percent	55%, 0%, 88%
CMY	0.4510, 1.0000, 0.1216
CMYK	0.37, 1.00, 0.00, 0.12
HSL	278°, 100%, 44%
HSV	278°, 100%, 88%
XYZ	24.2698, 10.9573, 71.3568
YIQ	67.3960, 11.5360, 99.3440

Conversions

Conversions Part 2

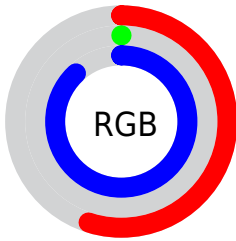
Format	Color
RYB	140, 0, 224
Decimal	9175264
CIELab	39.51, 77.95, -78.02
CIELCh	40, 110.285, 314.975
Yxy	10.9573, 0.2277, 0.1028
Android (android.graphics.Color)	4287365344 (0xFF8C00E0)
YUV	67.3960, 77.2058, 63.6737
Hunter-Lab	33.1018, 72.9457, -104.6390

Details

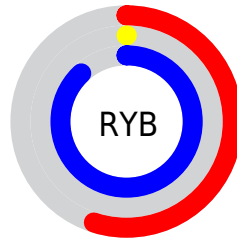
The RYB color **140, 0, 224** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **0, 224, 140**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **201, 82, 255**, and **78, 0, 167** is the 20% darker color. If you saturate the color by 10%, you get **140, 0, 224**, and if you desaturate by 10%, it is **148, 22, 224**.

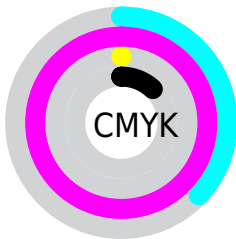
Distribution



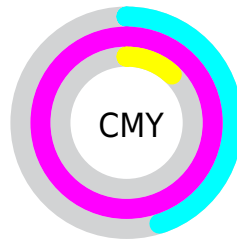
- Red (55%)
- Green (0%)
- Blue (88%)



- Red (55%)
- Yellow (0%)
- Blue (88%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (45%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 0, 224 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, 0, 224 by changing the saturation by 10% instead.



140, 0, 224



140, 0, 224

255, 255, 255



110, 0, 195



201, 82, 255



78, 0, 167



231, 111, 255



43, 0, 140



255, 140, 255



0, 0, 113



255, 169, 255



0, 0, 88



255, 198, 255



0, 5, 63



255, 228, 255



0, 3, 40




0, 1, 18



0, 0, 0


 140, 0, 224


 148, 22, 224

 157, 45, 224


 165, 67, 224

 174, 90, 224

 182, 112, 224

 190, 134, 224

 199, 157, 224

 207, 179, 224

 216, 202, 224

Harmonies

Analogous

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



0, 69, 255



140, 0, 224



221, 0, 142

Triad

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



140, 0, 224



150, 138, 0



0, 65, 138

Complementary

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



140, 0, 224



0, 224, 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.



0, 90, 121



140, 0, 224



0, 103, 32

Square

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



140, 0, 224



206, 0, 0



0, 116, 116



0, 80, 222

Rectangle

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



140, 0, 224



236, 0, 84



0, 116, 116



0, 65, 122

Sweetspot

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



140, 0, 224



226, 179, 255



0, 62, 224



110, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



140, 0, 224



159, 0, 255



224, 0, 198



108, 101, 112



110, 0, 176



30, 0, 48

Inverse Universe

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



224, 0, 84



255, 0, 96



0, 201, 224



112, 101, 105



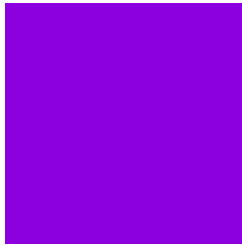
176, 0, 66



48, 0, 18

Previews

White Background



This preview shows how the RYB color 140, 0, 224 looks on a white background.

Color Contrast Check

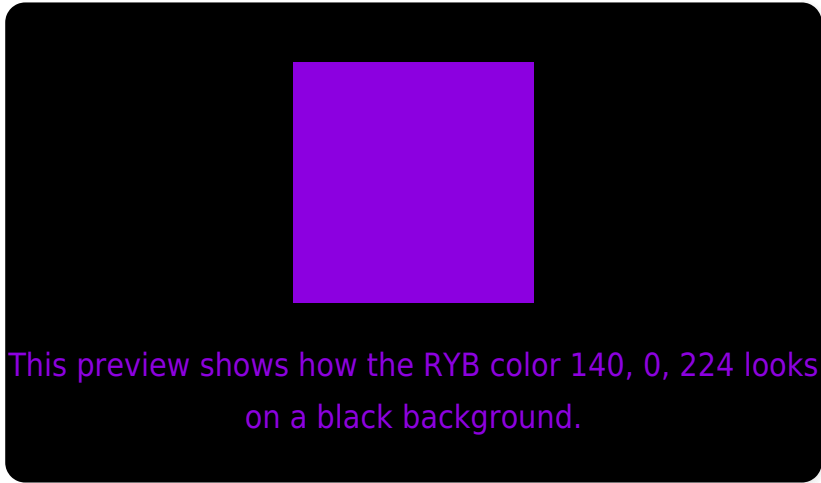
Large Text (above 18pt) WCAG AA ✓ Pass

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

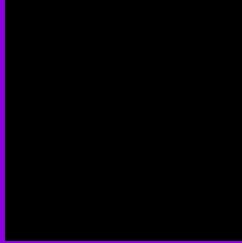
Any Text WCAG AA × Fail

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 140, 0, 224 Background



This preview shows how black text looks on a background with the R Y B color 140, 0, 224.

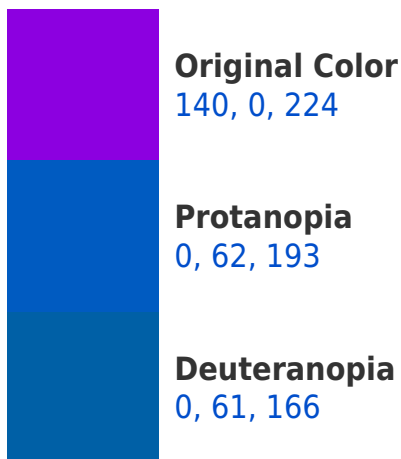


This preview shows how white text looks on a background with the R Y B color 140, 0, 224.

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
114, 87, 94

Trichromacy



Original Color

140, 0, 224



Protanomaly

51, 59, 204



Deuteranomaly

51, 61, 187



Tritanomaly

123, 55, 141

Monochromacy



Original Color

140, 0, 224



Achromatopsia

67, 67, 67



Achromatomaly

94, 43, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 0, 224 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, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 224)  
}
```

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, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 224) }
```

Border

The CSS property to change the border of an element to RYB 140, 0, 224 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, 0, 224) }
```

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

```
.border{ border-color:rgb(140, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 140, 0, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 224) }
```

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

```
.background{ background-color: rgb(140, 0,  
224) }
```

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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