

Converting Colors

`RYB(140, 24, 238)`

Have a look what the booklet for
RYB(140, 24, 238) contains.

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Color

R_YB(140, 24, 238)

Conversions

Conversions Part 1

Format	Color
Hex	8C18EE
RGB	140, 24, 238
RGB Percent	55%, 9%, 93%
CMY	0.4510, 0.9059, 0.0667
CMYK	0.41, 0.90, 0.00, 0.07
HSL	273°, 86%, 51%
HSV	273°, 90%, 93%
XYZ	26.5745, 12.4018, 81.8821
YIQ	83.0800, 0.4420, 91.1460

Conversions

Conversions Part 2

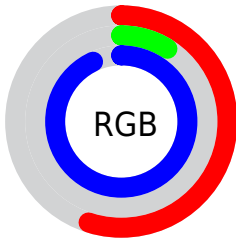
Format	Color
R_{YB}	140, 24, 238
Decimal	9181422
CIE _{Lab}	41.85, 77.60, -82.14
CIE _{LCh}	42, 113.000, 313.375
Yxy	12.4018, 0.2199, 0.1026
Android (android.graphics.Color)	4287371502 (0xFF8C18EE)
YUV	83.0800, 76.3756, 49.9188
Hunter-Lab	35.2161, 73.0697, -113.2056

Details

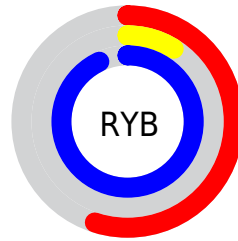
The RYB color **140, 24, 238** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **24, 238, 140**, and the grayscale version is **82, 82, 82**.

A 20% lighter version of the original color is **201, 91, 255**, and **76, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **129, 0, 238**, and if you desaturate by 10%, it is **151, 48, 238**.

Distribution



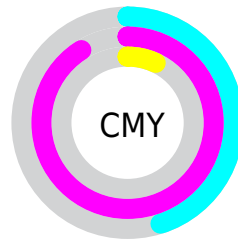
- Red (55%)
- Green (9%)
- Blue (93%)



- Red (55%)
- Yellow (9%)
- Blue (93%)



- Cyan (41%)
- Magenta (90%)
- Yellow (0%)
- Black (7%)



- Cyan (45%)
- Magenta (91%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 140, 24, 238 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, 24, 238 by changing the saturation by 10% instead.



140, 24, 238



140, 24, 238

255, 255, 255



109, 0, 209



201, 91, 255



76, 0, 181



232, 120, 255



38, 0, 153



255, 148, 255



0, 0, 126



255, 177, 255



0, 0, 100



255, 206, 255



0, 8, 74



255, 236, 255



0, 4, 51



0, 2, 29



0, 0, 0

■ 140, 24, 238

■ 140, 24, 238

■ 129, 0, 238

■ 151, 48, 238

■ 162, 72, 238

■ 173, 95, 238

■ 184, 119, 238

■ 194, 143, 238

■ 205, 167, 238

■ 216, 191, 238

■ 227, 214, 238

■ 238, 238, 238

Harmonies

Analogous

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



0, 72, 255



140, 24, 238



229, 0, 155

Triad

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



140, 24, 238



162, 136, 0



0, 67, 140

Complementary

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



140, 24, 238



24, 238, 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, 97, 127



140, 24, 238



0, 108, 26

Square

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



140, 24, 238



219, 0, 0



0, 122, 122



0, 84, 228

Rectangle

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



140, 24, 238



246, 0, 94



0, 122, 122



0, 70, 129

Sweetspot

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



140, 24, 238



223, 186, 255



24, 92, 238



109, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



140, 24, 238



138, 0, 255



238, 24, 231



114, 108, 120



100, 0, 184



30, 0, 56

Inverse Universe

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



238, 24, 122



255, 0, 117



24, 231, 238



120, 108, 113



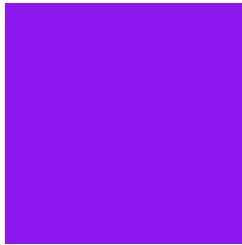
184, 0, 84



56, 0, 26

Previews

White Background



This preview shows how the RYB color 140, 24, 238 looks on a white background.

Color Contrast Check

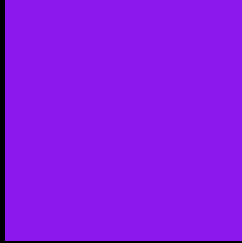
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 140, 24, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

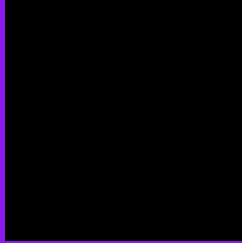
Any Text WCAG AA × Fail

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](#).

RGB 140, 24, 238 Background



This preview shows how black text looks on a background with the RGB color 140, 24, 238.



This preview shows how white text looks on a background with the RGB color 140, 24, 238.

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

140, 24, 238

Protanopia

0, 65, 201

Deuteranopia

0, 64, 173



Tritanopia
110, 95, 102

Trichromacy



Original Color

140, 24, 238



Protanomaly

51, 68, 214



Deuteranomaly

51, 71, 197



Tritanomaly

121, 69, 151

Monochromacy



Original Color

140, 24, 238



Achromatopsia

83, 83, 83



Achromatomaly

104, 62, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 140, 24, 238 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, 24, 238)` looks like.

```
.text, #text, p{  
    color:rgb(140, 24, 238)  
}
```

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, 24, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 24, 238) }
```

Border

The CSS property to change the border of an element to RYB 140, 24, 238 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, 24, 238) }
```

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

```
.border{ border-color:rgb(140, 24, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 24, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 24, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 24, 238);  
box-shadow:4px 4px 4px 4px rgb(140, 24,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 140, 24, 238 is called "background".

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

```
.background, #background, body{  
background: rgb(140, 24, 238) }
```

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

```
.background{ background-color: rgb(140, 24,  
238) }
```

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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