

Converting Colors

`RYB(153, 40, 230)`

Have a look what the booklet for
RYB(153, 40, 230) contains.

RYB(153, 40, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(153, 40, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	9928E6
RGB	153, 40, 230
RGB Percent	60%, 16%, 90%
CMY	0.4000, 0.8431, 0.0980
CMYK	0.33, 0.83, 0.00, 0.10
HSL	276°, 79%, 53%
HSV	276°, 83%, 90%
XYZ	28.1786, 14.0031, 76.0806
YIQ	95.4470, 6.3580, 83.0460

Conversions

Conversions Part 2

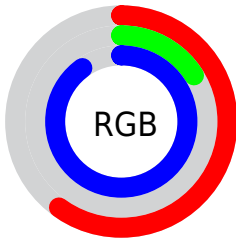
Format	Color
R _Y B	153, 40, 230
Decimal	10037478
CIE Lab	44.24, 73.75, -73.62
CIE LCh	44, 104.207, 315.054
Yxy	14.0031, 0.2383, 0.1184
Android (android.graphics.Color)	4288227558 (0xFF9928E6)
YUV	95.4470, 66.3346, 50.4740
Hunter-Lab	37.4207, 68.9283, -94.3491

Details

The RYB color **153, 40, 230** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **40, 230, 153**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **213, 101, 255**, and **93, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **144, 17, 230**, and if you desaturate by 10%, it is **162, 63, 230**.

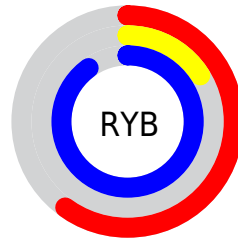
Distribution



Red (60%)

Green (16%)

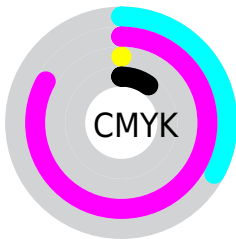
Blue (90%)



Red (60%)

Yellow (16%)

Blue (90%)

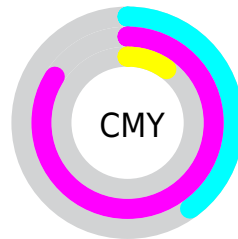


Cyan (33%)

Magenta (83%)

Yellow (0%)

Black (10%)



Cyan (40%)



















Magenta (84%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 40, 230 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 153, 40, 230 by changing the saturation by 10% instead.

 153, 40, 230	 153, 40, 230
 255, 255, 255	 123, 0, 201
 213, 101, 255	 93, 0, 173
 243, 129, 255	 61, 0, 146
 255, 158, 255	 24, 0, 119
 255, 187, 255	 0, 0, 93
 255, 216, 255	 0, 3, 68
 255, 245, 255	 0, 3, 45
	 0, 1, 23
	 0, 0, 0

■ 153, 40, 230

■ 153, 40, 230

■ 144, 17, 230

■ 162, 63, 230

■ 137, 0, 230

■ 172, 86, 230

■ 181, 109, 230

■ 190, 132, 230

■ 200, 155, 230

■ 209, 178, 230

■ 218, 201, 230

■ 228, 224, 230

■ 230, 247, 240

Harmonies

Analogous

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



0, 74, 255



153, 40, 230



229, 0, 152

Triad

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



153, 40, 230



153, 163, 0



0, 71, 148

Complementary

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



153, 40, 230



40, 230, 153

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, 94, 133



153, 40, 230



0, 115, 28

Square

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



153, 40, 230



217, 0, 0



0, 128, 128



0, 85, 229

Rectangle

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



153, 40, 230



245, 0, 95



0, 128, 128



0, 72, 135

Sweetspot

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



153, 40, 230



229, 191, 255



40, 96, 230



112, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 40, 230



153, 3, 255



230, 40, 214



110, 103, 115



106, 0, 179



30, 0, 51

Inverse Universe

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



230, 40, 117



255, 3, 105



40, 215, 230



115, 103, 108



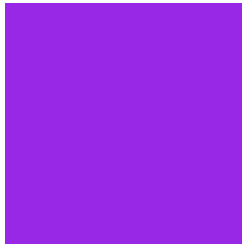
179, 0, 72



51, 0, 21

Previews

White Background



This preview shows how the RYB color 153, 40, 230 looks on a white background.

Color Contrast Check

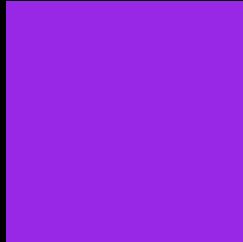
Large Text (above 18pt) WCAG AA ✓ Pass

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 153, 40, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

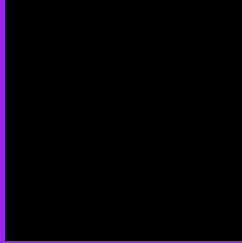
Any Text WCAG AA × Fail

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](#).

RYB 153, 40, 230 Background



This preview shows how black text looks on a background with the RYB color 153, 40, 230.

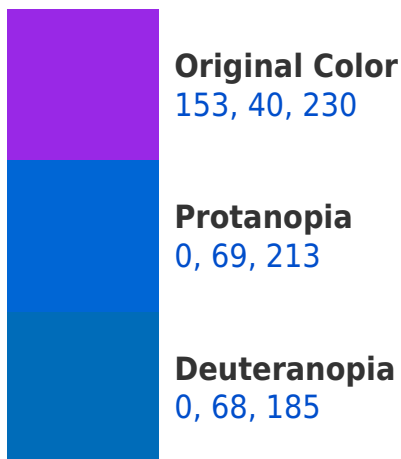


This preview shows how white text looks on a background with the RYB color 153, 40, 230.

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
129, 95, 103

Trichromacy



Original Color

153, 40, 230



Protanomaly

56, 76, 219



Deuteranomaly

56, 79, 201



Tritanomaly

138, 75, 149

Monochromacy



Original Color

153, 40, 230



Achromatopsia

95, 95, 95



Achromatomaly

116, 75, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 40, 230 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(153, 40, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 40, 230)  
}
```

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(153, 40, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 40, 230) }
```

Border

The CSS property to change the border of an element to RYB 153, 40, 230 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(153, 40, 230) }
```

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

```
.border{ border-color:rgb(153, 40, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 40, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 40, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 40, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 40,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 153, 40, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 40, 230) }
```

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

```
.background{ background-color: rgb(153, 40,  
230) }
```

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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