

Converting Colors

`RYB(157, 92, 226)`

Have a look what the booklet for
RYB(157, 92, 226) contains.

RYB(157, 92, 226)	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

R_YB(157, 92, 226)

Conversions

Conversions Part 1

Format	Color
Hex	9D5CE2
RGB	157, 92, 226
RGB Percent	62%, 36%, 89%
CMY	0.3843, 0.6392, 0.1137
CMYK	0.31, 0.59, 0.00, 0.11
HSL	269°, 70%, 62%
HSV	269°, 59%, 89%
XYZ	31.4592, 20.3134, 74.2143
YIQ	126.7110, -4.2740, 55.4540

Conversions

Conversions Part 2

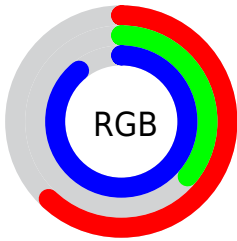
Format	Color
RYB	157, 92, 226
Decimal	10312930
CIELab	52.19, 51.94, -58.44
CIELCh	52, 78.190, 311.631
Yxy	20.3134, 0.2497, 0.1612
Android (android.graphics.Color)	4288503010 (0xFF9D5CE2)
YUV	126.7110, 48.9495, 26.5635
Hunter-Lab	45.0704, 45.7204, -66.0795

Details

The RYB color **157, 92, 226** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **92, 226, 157**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **215, 145, 255**, and **101, 40, 170** is the 20% darker color. If you saturate the color by 10%, you get **145, 69, 226**, and if you desaturate by 10%, it is **169, 115, 226**.

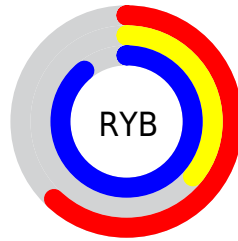
Distribution



Red (62%)

Green (36%)

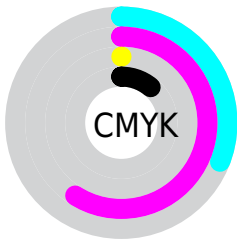
Blue (89%)



Red (62%)

Yellow (36%)

Blue (89%)

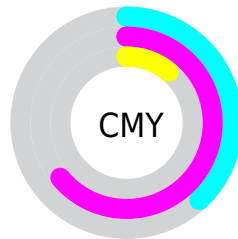


Cyan (31%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (38%)

















Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 157, 92, 226 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 157, 92, 226 by changing the saturation by 10% instead.

 157, 92, 226	 157, 92, 226
 255, 255, 255	 129, 66, 198
 215, 145, 255	 101, 40, 170
 245, 172, 255	 72, 10, 143
 255, 200, 255	 42, 0, 116
 255, 229, 255	 6, 0, 91
	 0, 0, 66
	 0, 3, 43
	 0, 1, 21
	 0, 0, 0


 157, 92, 226

 157, 92, 226


 145, 69, 226


 169, 115, 226

 134, 47, 226

 180, 137, 226

 122, 24, 226

 192, 160, 226

 110, 2, 226

 204, 182, 226

 110, 0, 226

 215, 205, 226

 226, 228, 227

 226, 250, 238

 226, 255, 231

 226, 255, 226

Harmonies

Analogous

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



0, 84, 255



157, 92, 226



221, 48, 168

Triad

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



157, 92, 226



135, 184, 0



0, 77, 153

Complementary

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



157, 92, 226



92, 226, 157

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, 99, 151



157, 92, 226



0, 130, 3

Square

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



157, 92, 226



224, 76, 36



0, 144, 102



0, 89, 213

Rectangle

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



157, 92, 226



238, 26, 124



0, 144, 102



0, 84, 153

Sweetspot

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



157, 92, 226



231, 209, 255



92, 138, 226



113, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 92, 226



162, 74, 255



224, 92, 226



106, 101, 112



85, 0, 176



24, 0, 48

Inverse Universe

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



226, 92, 161



255, 74, 167



92, 226, 224



112, 101, 107



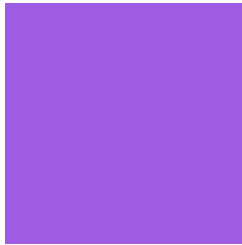
176, 0, 91



48, 0, 25

Previews

White Background



This preview shows how the RYB color 157, 92, 226 looks on a white background.

Color Contrast Check

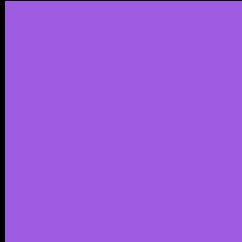
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 157, 92, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

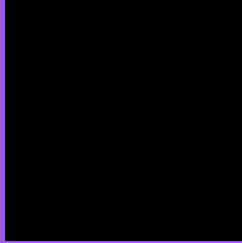
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 157, 92, 226 Background



This preview shows how black text looks on a background with the RYB color 157, 92, 226.

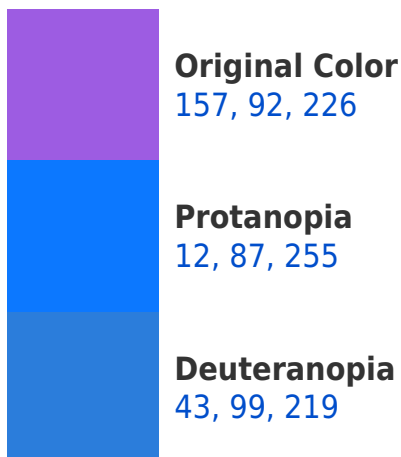



This preview shows how white text looks on a background with the RYB color 157, 92, 226.

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
139, 119, 128

Trichromacy



Original Color
157, 92, 226



Protanomaly
65, 101, 244



Deuteranomaly
84, 109, 222



Tritanomaly
146, 109, 164

Monochromacy



Original Color
157, 92, 226



Achromatopsia
127, 127, 127



Achromatomaly
138, 114, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 92, 226 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(157, 92, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 92, 226)  
}
```

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(157, 92, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 92, 226) }
```

Border

The CSS property to change the border of an element to RYB 157, 92, 226 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(157, 92, 226) }
```

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

```
.border{ border-color:rgb(157, 92, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 92, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 92, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 92, 226); box-shadow:4px 4px 4px 4px rgb(157, 92, 226) }
```

Background

The CSS property to change the background color of an element to RGB 157, 92, 226 is called "background".

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

```
.background, #background, body{  
background: rgb(157, 92, 226) }
```

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

```
.background{ background-color: rgb(157, 92,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor