

Converting Colors

`RYB(137, 93, 182)`

Have a look what the booklet for
RYB(137, 93, 182) contains.

RYB(137, 93, 182)	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(137, 93, 182)

Conversions

Conversions Part 1

Format	Color
Hex	895DB6
RGB	137, 93, 182
RGB Percent	54%, 36%, 71%
CMY	0.4627, 0.6353, 0.2863
CMYK	0.25, 0.49, 0.00, 0.29
HSL	270°, 38%, 54%
HSV	270°, 49%, 71%
XYZ	22.6744, 16.5245, 46.2504
YIQ	116.3020, -2.3450, 37.0070

Conversions

Conversions Part 2

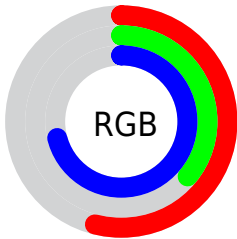
Format	Color
R_{YB}	137, 93, 182
Decimal	9002422
CIE _{Lab}	47.66, 35.72, -40.59
CIE _{LCh}	48, 54.074, 311.350
Yxy	16.5245, 0.2654, 0.1934
Android (android.graphics.Color)	4287192502 (0xFF895DB6)
YUV	116.3020, 32.3891, 18.1521
Hunter-Lab	40.6503, 28.4277, -39.0028

Details

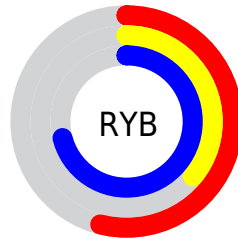
The RYB color **137, 93, 182** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **93, 182, 137**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **192, 144, 238**, and **84, 45, 128** is the 20% darker color. If you saturate the color by 10%, you get **128, 75, 182**, and if you desaturate by 10%, it is **146, 111, 182**.

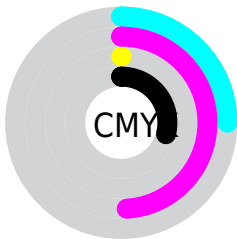
Distribution



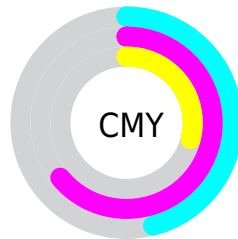
- Red (54%)
- Green (36%)
- Blue (71%)



- Red (54%)
- Yellow (36%)
- Blue (71%)



- Cyan (25%)
- Magenta (49%)
- Yellow (0%)
- Black (29%)



- Cyan (46%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 93, 182 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 137, 93, 182 by changing the saturation by 10% instead.

■ 137, 93, 182

255, 255, 255

■ 192, 144, 238

■ 221, 171, 255

■ 250, 199, 255

■ 255, 227, 255

■ 137, 93, 182

■ 110, 69, 155

■ 84, 45, 128

■ 58, 21, 103

■ 32, 0, 78

■ 8, 0, 55

■ 0, 2, 33

■ 0, 0, 5

■ 0, 0, 0

■ 137, 93, 182

■ 137, 93, 182

128, 75, 182

146, 111, 182

119, 57, 182

155, 129, 182

109, 38, 182

165, 148, 182

100, 20, 182

174, 166, 182

91, 2, 182

182, 184, 183

90, 0, 182

182, 202, 192

182, 220, 201

182, 239, 210

182, 255, 217

Harmonies

Analogous

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



43, 92, 203



137, 93, 182



180, 73, 143

Triad

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



137, 93, 182



116, 158, 17



0, 68, 134

Complementary

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



137, 93, 182



93, 182, 137

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, 81, 132



137, 93, 182



4, 119, 1

Square

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



137, 93, 182



186, 87, 55



38, 127, 97



0, 75, 172

Rectangle

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



137, 93, 182



193, 67, 113



38, 127, 97



0, 72, 134

Sweetspot

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



137, 93, 182



219, 202, 237



93, 123, 182



109, 98, 120



247, 247, 247



120, 120, 120

Same Dimension

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



137, 93, 182



166, 97, 237



181, 93, 182



87, 83, 92



77, 0, 156



14, 0, 28

Inverse Universe

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



182, 93, 138



237, 97, 168



93, 182, 181



92, 83, 87



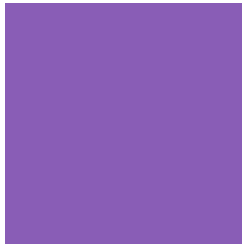
156, 0, 79



28, 0, 14

Previews

White Background



This preview shows how the RYB color 137, 93, 182 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 137, 93, 182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

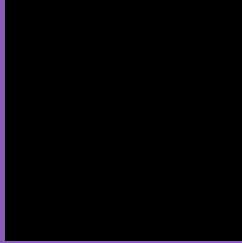
Any Text WCAG AA × Fail

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](#).

R Y B 137, 93, 182 Background



This preview shows how black text looks on a background with the R Y B color 137, 93, 182.

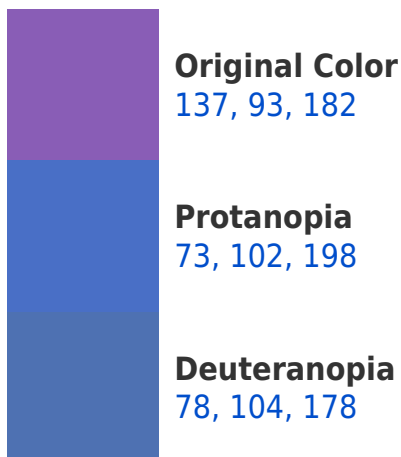


This preview shows how white text looks on a background with the R Y B color 137, 93, 182.

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
126, 108, 117

Trichromacy



Original Color
137, 93, 182

Protanomaly
96, 103, 192

Deuteranomaly
99, 105, 179

Tritanomaly
130, 103, 141

Monochromacy



Original Color
137, 93, 182

Achromatopsia
116, 116, 116

Achromatomaly
124, 108, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 93, 182 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(137, 93, 182)` looks like.

```
.text, #text, p{  
    color:rgb(137, 93, 182)  
}
```

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(137, 93, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 93, 182) }
```

Border

The CSS property to change the border of an element to RYB 137, 93, 182 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(137, 93, 182) }
```

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

```
.border{ border-color:rgb(137, 93, 182) }
```

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

Here you see how a box with a 4 pixel rgb(137, 93, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 93, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 93, 182);  
box-shadow:4px 4px 4px 4px rgb(137, 93,  
182) }
```

Background

The CSS property to change the background color of an element to RYB 137, 93, 182 is called "background".

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

```
.background, #background, body{  
background: rgb(137, 93, 182) }
```

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

```
.background{ background-color: rgb(137, 93,  
182) }
```

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