

Converting Colors

`RYB(157, 137, 172)`

Have a look what the booklet for
RYB(157, 137, 172) contains.

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Color

R_YB(157, 137, 172)

Conversions

Conversions Part 1

Format	Color
Hex	9D89AC
RGB	157, 137, 172
RGB Percent	62%, 54%, 67%
CMY	0.3843, 0.4627, 0.3255
CMYK	0.09, 0.20, 0.00, 0.33
HSL	274°, 17%, 61%
HSV	274°, 20%, 67%
XYZ	30.2967, 28.0380, 42.8448
YIQ	146.9700, 0.6850, 15.1250

Conversions

Conversions Part 2

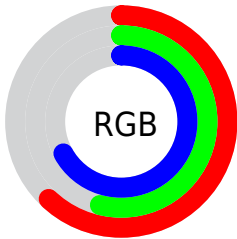
Format	Color
R _{YB}	157, 137, 172
Decimal	10324396
CIE _{Lab}	59.92, 14.30, -15.66
CIE _{LCh}	60, 21.202, 312.401
Yxy	28.0380, 0.2994, 0.2771
Android (android.graphics.Color)	4288514476 (0xFF9D89AC)
YUV	146.9700, 12.3398, 8.7963
Hunter-Lab	52.9509, 9.4675, -10.9084

Details

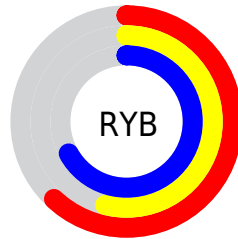
The RYB color **157, 137, 172** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **137, 172, 157**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **212, 190, 227**, and **105, 87, 120** is the 20% darker color. If you saturate the color by 10%, you get **150, 120, 172**, and if you desaturate by 10%, it is **164, 154, 172**.

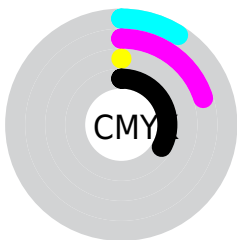
Distribution



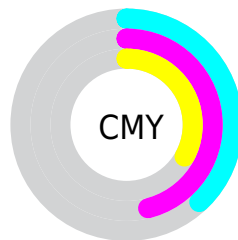
- Red (62%)
- Green (54%)
- Blue (67%)



- Red (62%)
- Yellow (54%)
- Blue (67%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (33%)




- Cyan (38%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 137, 172 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, 137, 172 by changing the saturation by 10% instead.

 157, 137, 172


255, 255, 255

 212, 190, 227


 240, 218, 255

 255, 247, 255

 157, 137, 172

 131, 112, 145

 105, 87, 120


 81, 64, 95

 58, 42, 71

 36, 21, 49

 17, 0, 28

 0, 0, 0

 157, 137, 172

 150, 120, 172

 157, 137, 172

 164, 154, 172

■ 142, 103, 172

■ 172, 171, 172

■ 135, 85, 172

■ 172, 189, 182

■ 128, 68, 172

■ 172, 206, 192

■ 120, 51, 172

■ 172, 223, 201

■ 113, 34, 172

■ 172, 240, 211

■ 105, 17, 172

■ 172, 255, 218

■ 98, 0, 172

■ 172, 255, 211

■ 172, 255, 204

Harmonies

Analogous

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



133, 141, 181



157, 137, 172



175, 132, 156

Triad

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



157, 137, 172



166, 168, 109



93, 125, 155

Complementary

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



157, 137, 172



137, 172, 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.



108, 138, 154



157, 137, 172



112, 150, 108

Square

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



157, 137, 172



180, 138, 120



116, 151, 138



92, 126, 169

Rectangle

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



157, 137, 172



181, 131, 144



116, 151, 138



97, 129, 155

Sweetspot

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



157, 137, 172



219, 211, 224



137, 148, 172



109, 104, 112



240, 240, 240



112, 112, 112

Same Dimension

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



157, 137, 172



201, 171, 224



172, 137, 170



83, 78, 87



86, 0, 150



13, 0, 23

Inverse Universe

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



172, 137, 152



224, 171, 194



137, 170, 172



87, 78, 82



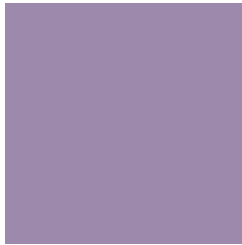
150, 0, 64



23, 0, 10

Previews

White Background



This preview shows how the RYB color 157, 137, 172 looks on a white background.

Color Contrast Check

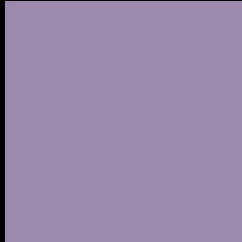
Large Text (above 18pt) WCAG AA ✓ Pass

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, 137, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

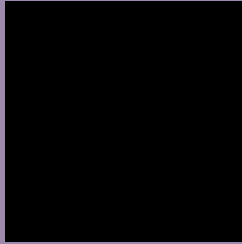
Any Text WCAG AA ✓ Pass

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](#).

RYP 157, 137, 172 Background



This preview shows how black text looks on a background with the RYP color 157, 137, 172.



This preview shows how white text looks on a background with the RYP color 157, 137, 172.

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


157, 137, 172

Protanopia

137, 142, 176

Deuteranopia

145, 141, 171



Tritanopia
154, 141, 152

Trichromacy



Original Color
157, 137, 172

Protanomaly
144, 141, 175

Deuteranomaly
149, 140, 171

Tritanomaly
155, 140, 159

Monochromacy



Original Color
157, 137, 172

Achromatopsia
147, 147, 147

Achromatomaly
151, 143, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 137, 172 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, 137, 172) looks like.

```
.text, #text, p{  
    color:rgb(157, 137, 172)  
}
```

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, 137, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 137, 172) }
```

Border

The CSS property to change the border of an element to RYB 157, 137, 172 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, 137, 172) }
```

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

```
.border{ border-color:rgb(157, 137, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 137, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 137, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 137, 172);  
box-shadow:4px 4px 4px 4px rgb(157, 137,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 157, 137, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 137, 172) }
```

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

```
.background{ background-color: rgb(157,  
137, 172) }
```

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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