

Converting Colors

`RYB(157, 130, 213)`

Have a look what the booklet for
RYB(157, 130, 213) contains.

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Color

R_YB(157, 130, 213)

Conversions

Conversions Part 1

Format	Color
Hex	9D82D5
RGB	157, 130, 213
RGB Percent	62%, 51%, 84%
CMY	0.3843, 0.4902, 0.1647
CMYK	0.26, 0.39, 0.00, 0.16
HSL	260°, 50%, 67%
HSV	260°, 39%, 84%
XYZ	33.8975, 27.9375, 66.5567
YIQ	147.5350, -10.5510, 31.5370

Conversions

Conversions Part 2

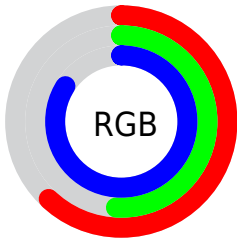
Format	Color
RYB	157, 130, 213
Decimal	10322645
CIELab	59.83, 27.72, -38.99
CIELCh	60, 47.838, 305.407
Yxy	27.9375, 0.2640, 0.2176
Android (android.graphics.Color)	4288512725 (0xFF9D82D5)
YUV	147.5350, 32.2742, 8.3008
Hunter-Lab	52.8559, 21.9777, -37.6594

Details

The RYB color **157, 130, 213** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **130, 213, 157**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **213, 183, 255**, and **103, 80, 158** is the 20% darker color. If you saturate the color by 10%, you get **143, 109, 213**, and if you desaturate by 10%, it is **171, 151, 213**.

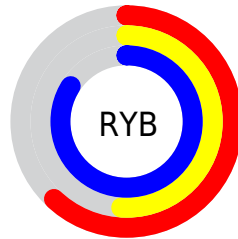
Distribution



Red (62%)

Green (51%)

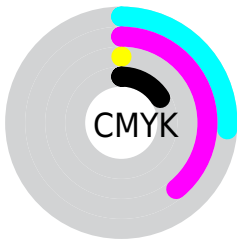
Blue (84%)



Red (62%)

Yellow (51%)

Blue (84%)

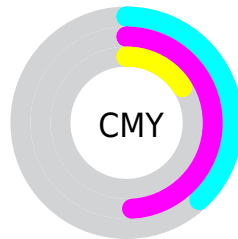


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (16%)



Cyan (38%)


Magenta (49%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 130, 213 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, 130, 213 by changing the saturation by 10% instead.

 157, 130, 213


255, 255, 255

 213, 183, 255

 242, 211, 255

 255, 239, 255

 157, 130, 213

 130, 105, 185

 103, 80, 158

 78, 57, 131

 52, 35, 106

 25, 13, 81

 5, 0, 58

 0, 2, 35

 0, 0, 10

 0, 0, 0

■ 157, 130, 213

■ 157, 130, 213

■ 143, 109, 213

■ 171, 151, 213

■ 128, 87, 213

■ 186, 173, 213

■ 114, 66, 213

■ 200, 194, 213

■ 100, 45, 213

■ 213, 215, 214

■ 85, 23, 213

■ 213, 236, 220

■ 71, 2, 213

■ 213, 255, 225

■ 69, 0, 213

■ 213, 255, 213

Harmonies

Analogous

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



81, 126, 228



157, 130, 213



202, 114, 180

Triad

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



157, 130, 213



196, 186, 67



0, 86, 165

Complementary

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



157, 130, 213



130, 213, 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.



55, 127, 163



157, 130, 213



76, 161, 56

Square

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



157, 130, 213



218, 116, 98



72, 156, 111



0, 88, 192

Rectangle

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



157, 130, 213



218, 108, 152



72, 156, 111



0, 90, 165

Sweetspot

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



157, 130, 213



234, 224, 255



130, 164, 213



115, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 130, 213



174, 135, 255



198, 130, 213



100, 96, 107



56, 0, 171



14, 0, 43

Inverse Universe

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



213, 130, 186



255, 135, 216



130, 213, 198



107, 96, 104



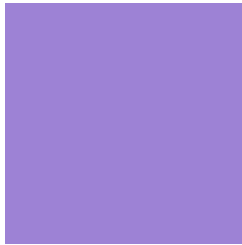
171, 0, 115



43, 0, 29

Previews

White Background



This preview shows how the RYB color 157, 130, 213 looks on a white background.

Color Contrast Check

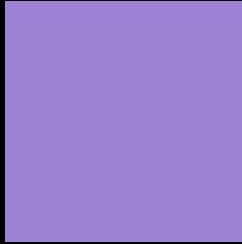
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130, 213 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, 130, 213 Background



This preview shows how black text looks on a background with the RYB color 157, 130, 213.



This preview shows how white text looks on a background with the RYB color 157, 130, 213.

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, 130, 213

Protanopia
115, 137, 223

Deuteranopia
117, 137, 210



Tritanopia
146, 143, 154

Trichromacy



Original Color
157, 130, 213

Protanomaly
130, 137, 219

Deuteranomaly
132, 138, 211

Tritanomaly
150, 138, 175

Monochromacy



Original Color
157, 130, 213

Achromatopsia
148, 148, 148

Achromatomaly
151, 141, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 130, 213 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, 130, 213)` looks like.

```
.text, #text, p{  
    color:rgb(157, 130, 213)  
}
```

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, 130, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 130, 213) }
```

Border

The CSS property to change the border of an element to RYB 157, 130, 213 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, 130, 213) }
```

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

```
.border{ border-color:rgb(157, 130, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 130, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 130, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 130, 213);  
box-shadow:4px 4px 4px 4px rgb(157, 130,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 157, 130, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 130, 213) }
```

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

```
.background{ background-color: rgb(157,  
130, 213) }
```

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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