

Converting Colors

`RYB(175, 131, 231)`

Have a look what the booklet for
RYB(175, 131, 231) contains.

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Color

R_YB(175, 131, 231)

Conversions

Conversions Part 1

Format	Color
Hex	AF83E7
RGB	175, 131, 231
RGB Percent	69%, 51%, 91%
CMY	0.3137, 0.4863, 0.0941
CMYK	0.24, 0.43, 0.00, 0.09
HSL	266°, 68%, 71%
HSV	266°, 43%, 91%
XYZ	40.2193, 31.1161, 79.4875
YIQ	155.5560, -5.8760, 40.4280

Conversions

Conversions Part 2

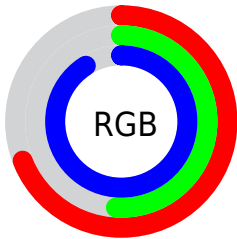
Format	Color
R_{YB}	175, 131, 231
Decimal	11502567
CIE _{Lab}	62.61, 36.56, -44.56
CIE _{LCh}	63, 57.638, 309.370
Yxy	31.1161, 0.2667, 0.2063
Android (android.graphics.Color)	4289692647 (0xFFAF83E7)
YUV	155.5560, 37.1939, 17.0524
Hunter-Lab	55.7818, 31.0824, -45.4394

Details

The RYB color **175, 131, 231** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **131, 231, 175**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **232, 185, 255**, and **120, 80, 175** is the 20% darker color. If you saturate the color by 10%, you get **162, 108, 231**, and if you desaturate by 10%, it is **188, 154, 231**.

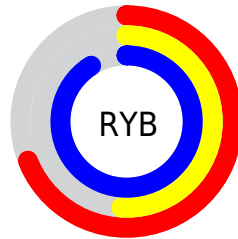
Distribution



Red (69%)

Green (51%)

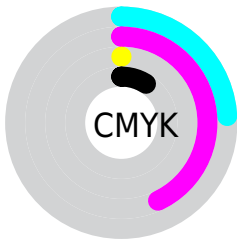
Blue (91%)



Red (69%)

Yellow (51%)

Blue (91%)

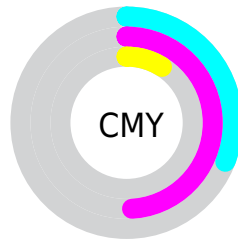


Cyan (24%)

Magenta (43%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (49%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 131, 231 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 175, 131, 231 by changing the saturation by 10% instead.

 175, 131, 231

 175, 131, 231

255, 255, 255

 147, 105, 203

 232, 185, 255

 120, 80, 175

 255, 213, 255

 93, 56, 148

 255, 241, 255

 67, 33, 122

 40, 9, 96

 14, 0, 72

 0, 0, 49

 0, 1, 27

 0, 0, 0

■ 175, 131, 231

■ 175, 131, 231

■ 162, 108, 231

■ 188, 154, 231

■ 149, 85, 231

■ 201, 177, 231

■ 136, 62, 231

■ 214, 200, 231

■ 123, 39, 231

■ 227, 223, 231

■ 110, 16, 231

■ 231, 247, 238

■ 102, 0, 231

■ 231, 255, 233

■ 231, 255, 231

Harmonies

Analogous

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



79, 130, 253



175, 131, 231



226, 111, 189

Triad

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



175, 131, 231



183, 207, 52



0, 91, 176

Complementary

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



175, 131, 231



131, 231, 175

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, 105, 174



175, 131, 231



51, 164, 40

Square

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



175, 131, 231



237, 122, 89



67, 167, 126



0, 96, 215

Rectangle

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



175, 131, 231



242, 104, 155



67, 167, 126



0, 95, 176

Sweetspot

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



175, 131, 231



236, 222, 255



131, 167, 231



116, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 131, 231



181, 122, 255



224, 131, 231



108, 103, 115



79, 0, 179



22, 0, 51

Inverse Universe

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



231, 131, 187



255, 122, 197



131, 231, 224



115, 103, 110



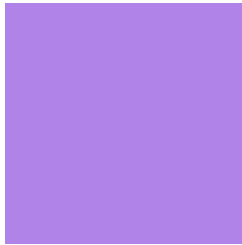
179, 0, 100



51, 0, 29

Previews

White Background



This preview shows how the RYB color 175, 131, 231 looks on a white background.

Color Contrast Check

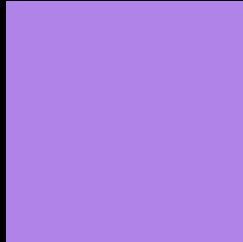
Large Text (above 18pt) WCAG AA × Fail

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 175, 131, 231 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 ✓ Pass

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

RYB 175, 131, 231 Background



This preview shows how black text looks on a background with the RYB color 175, 131, 231.

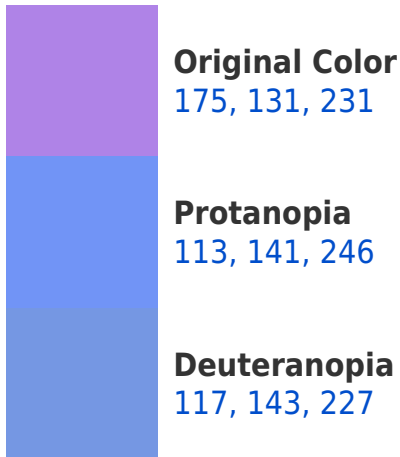


This preview shows how white text looks on a background with the RYB color 175, 131, 231.

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
162, 147, 159

Trichromacy



Original Color

175, 131, 231



Protanomaly

136, 142, 241



Deuteranomaly

138, 144, 228



Tritanomaly

167, 141, 185

Monochromacy



Original Color

175, 131, 231



Achromatopsia

156, 156, 156



Achromatomaly

163, 147, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 131, 231 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(175, 131, 231)` looks like.

```
.text, #text, p{  
    color:rgb(175, 131, 231)  
}
```

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(175, 131, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 131, 231) }
```

Border

The CSS property to change the border of an element to RYB 175, 131, 231 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(175, 131, 231) }
```

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

```
.border{ border-color:rgb(175, 131, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 131, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 131, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 131, 231);  
box-shadow:4px 4px 4px 4px rgb(175, 131,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 175, 131, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 131, 231) }
```

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

```
.background{ background-color: rgb(175,  
131, 231) }
```

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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