

Converting Colors

`RYB(185, 158, 231)`

Have a look what the booklet for
RYB(185, 158, 231) contains.

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Color

R_YB(185, 158, 231)

Conversions

Conversions Part 1

Format	Color
Hex	B99EE7
RGB	185, 158, 231
RGB Percent	73%, 62%, 91%
CMY	0.2745, 0.3804, 0.0941
CMYK	0.20, 0.32, 0.00, 0.09
HSL	262°, 60%, 76%
HSV	262°, 32%, 91%
XYZ	46.6582, 40.5375, 80.9667
YIQ	174.3950, -7.3410, 28.4270

Conversions

Conversions Part 2

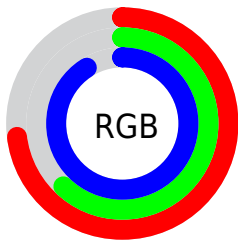
Format	Color
R _Y B	185, 158, 231
Decimal	12164839
CIE Lab	69.85, 24.38, -33.18
CIE LCh	70, 41.172, 306.312
Yxy	40.5375, 0.2775, 0.2411
Android (android.graphics.Color)	4290354919 (0xFFB99EE7)
YUV	174.3950, 27.9063, 9.3006
Hunter-Lab	63.6691, 19.3882, -30.8295

Details

The RYB color **185, 158, 231** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **158, 231, 185**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **242, 213, 255**, and **131, 106, 175** is the 20% darker color. If you saturate the color by 10%, you get **170, 135, 231**, and if you desaturate by 10%, it is **200, 181, 231**.

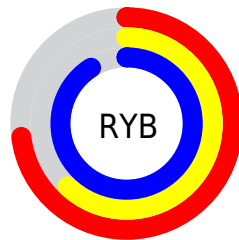
Distribution



Red (73%)

Green (62%)

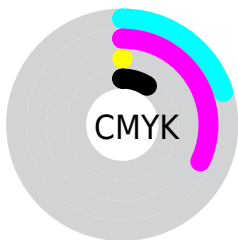
Blue (91%)



Red (73%)

Yellow (62%)

Blue (91%)

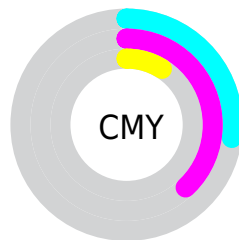


Cyan (20%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (27%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 158, 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 185, 158, 231 by changing the saturation by 10% instead.


 185, 158, 231

 185, 158, 231

255, 255, 255

 158, 132, 203

 242, 213, 255

 131, 106, 175

 255, 241, 255

 105, 82, 148

 79, 59, 122

 55, 36, 97

 30, 15, 73

 12, 0, 50

 0, 2, 28

 0, 0, 0

■ 185, 158, 231

■ 185, 158, 231

■ 170, 135, 231

■ 200, 181, 231

■ 156, 112, 231

■ 214, 204, 231

■ 141, 89, 231

■ 229, 227, 231

■ 127, 66, 231

■ 231, 250, 238

■ 112, 43, 231

■ 231, 255, 231

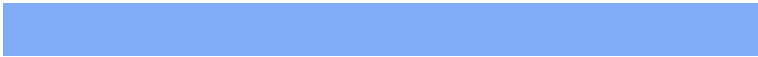
■ 98, 19, 231

■ 85, 0, 231

Harmonies

Analogous

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



128, 160, 245



185, 158, 231



224, 146, 201

Triad

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



185, 158, 231



219, 208, 103



32, 114, 190

Complementary

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



185, 158, 231



158, 231, 185

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.



100, 161, 188



185, 158, 231



114, 187, 95

Square

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



185, 158, 231



239, 149, 128



109, 181, 143



0, 100, 214

Rectangle

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



185, 158, 231



238, 141, 177



109, 181, 143



60, 132, 190

Sweetspot

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



185, 158, 231



241, 232, 255



158, 186, 231



119, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



185, 158, 231



194, 158, 255



221, 158, 231



108, 103, 115



66, 0, 179



19, 0, 51

Inverse Universe

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



231, 158, 204



255, 158, 219



158, 231, 221



115, 103, 111



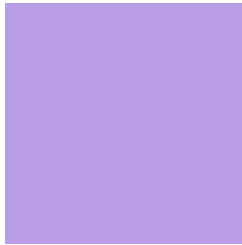
179, 0, 112



51, 0, 32

Previews

White Background



This preview shows how the RYB color 185, 158, 231 looks on a white background.

Color Contrast Check

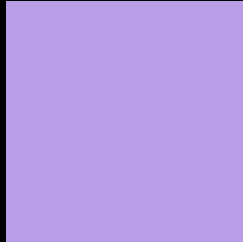
Large Text (above 18pt) WCAG AA × Fail

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 185, 158, 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 185, 158, 231 Background



This preview shows how black text looks on a background with the RYB color 185, 158, 231.

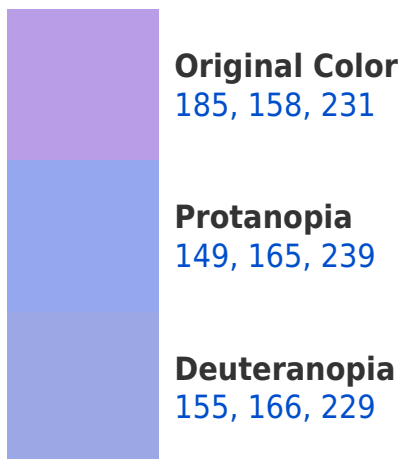


This preview shows how white text looks on a background with the RYB color 185, 158, 231.

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
176, 168, 181

Trichromacy



Original Color
185, 158, 231

Protanomaly
162, 164, 236

Deuteranomaly
166, 164, 230

Tritanomaly
179, 164, 199

Monochromacy



Original Color
185, 158, 231

Achromatopsia
174, 174, 174

Achromatomaly
178, 168, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 158, 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(185, 158, 231)` looks like.

```
.text, #text, p{  
    color:rgb(185, 158, 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(185, 158, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 158, 231) }
```

Border

The CSS property to change the border of an element to RYB 185, 158, 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(185, 158, 231) }
```

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

```
.border{ border-color:rgb(185, 158, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 158, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 158, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 158, 231);  
box-shadow:4px 4px 4px 4px rgb(185, 158,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 185, 158, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 158, 231) }
```

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

```
.background{ background-color: rgb(185,  
158, 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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