

Converting Colors

`RYB(189, 159, 224)`

Have a look what the booklet for
RYB(189, 159, 224) contains.

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Color

R_YB(189, 159, 224)

Conversions

Conversions Part 1

Format	Color
Hex	BD9FE0
RGB	189, 159, 224
RGB Percent	74%, 62%, 88%
CMY	0.2588, 0.3765, 0.1216
CMYK	0.16, 0.29, 0.00, 0.12
HSL	268°, 51%, 75%
HSV	268°, 29%, 88%
XYZ	46.8389, 40.9969, 75.9655
YIQ	175.3800, -2.9850, 26.5750

Conversions

Conversions Part 2

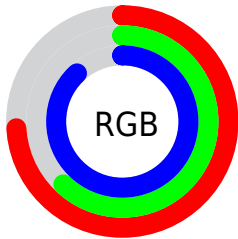
Format	Color
RYB	189, 159, 224
Decimal	12427232
CIELab	70.17, 23.50, -28.81
CIELCh	70, 37.176, 309.201
Yxy	40.9969, 0.2859, 0.2503
Android (android.graphics.Color)	4290617312 (0xFFBD9FE0)
YUV	175.3800, 23.9697, 11.9447
Hunter-Lab	64.0288, 18.5275, -25.5231

Details

The RYB color **189, 159, 224** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **159, 224, 189**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **246, 214, 255**, and **135, 107, 169** is the 20% darker color. If you saturate the color by 10%, you get **177, 137, 224**, and if you desaturate by 10%, it is **201, 181, 224**.

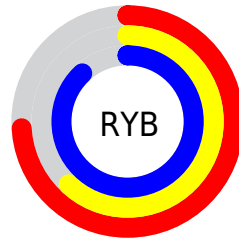
Distribution



Red (74%)

Green (62%)

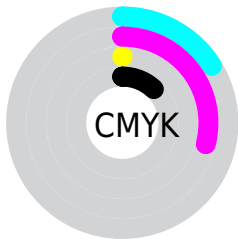
Blue (88%)



Red (74%)

Yellow (62%)

Blue (88%)

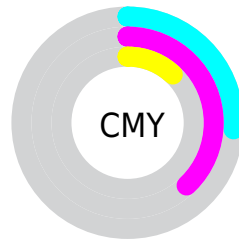


Cyan (16%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (26%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 159, 224 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 189, 159, 224 by changing the saturation by 10% instead.

 189, 159, 224


255, 255, 255

 246, 214, 255

 255, 242, 255

 189, 159, 224

 162, 133, 196

 135, 107, 169


 109, 83, 142

 84, 59, 116

 59, 37, 91

 36, 16, 67


 19, 0, 45


 0, 1, 23

 0, 0, 0

 189, 159, 224


 189, 159, 224

 177, 137, 224


 201, 181, 224

 165, 114, 224

 213, 204, 224

 153, 92, 224

 224, 226, 225

 141, 69, 224

 224, 249, 236

 129, 47, 224

 224, 255, 230

 117, 25, 224

 224, 255, 224

 105, 2, 224

 103, 0, 224

Harmonies

Analogous

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



140, 164, 238



189, 159, 224



222, 149, 196

Triad

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



189, 159, 224



214, 212, 109



59, 127, 190

Complementary

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



189, 159, 224



159, 224, 189

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.



105, 161, 188



189, 159, 224



117, 184, 104

Square

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



189, 159, 224



233, 156, 130



118, 182, 153



33, 116, 213

Rectangle

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



189, 159, 224



234, 145, 174



118, 182, 153



75, 138, 190

Sweetspot

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



189, 159, 224



243, 232, 255



159, 182, 224



120, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 159, 224



207, 166, 255



221, 159, 224



106, 101, 112



81, 0, 176



22, 0, 48

Inverse Universe

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



224, 159, 194



255, 166, 214



159, 224, 221



112, 101, 107



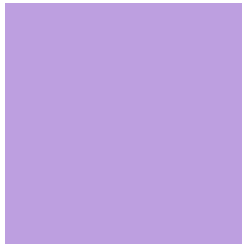
176, 0, 95



48, 0, 26

Previews

White Background



This preview shows how the RYB color 189, 159, 224 looks on a white background.

Color Contrast Check

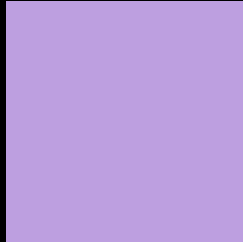
Large Text (above 18pt) WCAG AA × Fail

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 189, 159, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

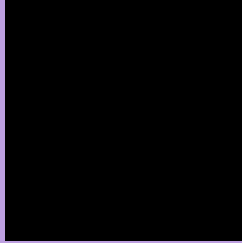
Any Text WCAG AA ✓ Pass

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 189, 159, 224 Background



This preview shows how black text looks on a background with the RYB color 189, 159, 224.



This preview shows how white text looks on a background with the RYB color 189, 159, 224.

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
189, 159, 224

Protanopia
154, 167, 232

Deuteranopia
161, 168, 222



Tritanopia
182, 167, 180

Trichromacy



Original Color
189, 159, 224

Protanomaly
167, 165, 229

Deuteranomaly
171, 165, 223

Tritanomaly
185, 164, 196

Monochromacy



Original Color
189, 159, 224

Achromatopsia
175, 175, 175

Achromatomaly
180, 169, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 159, 224 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(189, 159, 224)` looks like.

```
.text, #text, p{  
    color:rgb(189, 159, 224)  
}
```

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(189, 159, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 159, 224) }
```

Border

The CSS property to change the border of an element to RYB 189, 159, 224 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(189, 159, 224) }
```

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

```
.border{ border-color:rgb(189, 159, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 159, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 159, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 159, 224);  
box-shadow:4px 4px 4px 4px rgb(189, 159,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 189, 159, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 159, 224) }
```

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

```
.background{ background-color: rgb(189,  
159, 224) }
```

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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