

Converting Colors

`RYB(188, 159, 250)`

Have a look what the booklet for
RYB(188, 159, 250) contains.

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Color

R_YB(188, 159, 250)

Conversions

Conversions Part 1

Format	Color
Hex	BC9FFA
RGB	188, 159, 250
RGB Percent	74%, 62%, 98%
CMY	0.2627, 0.3765, 0.0196
CMYK	0.25, 0.36, 0.00, 0.02
HSL	259°, 90%, 80%
HSV	259°, 36%, 98%
XYZ	50.3925, 42.3898, 95.9686
YIQ	178.0450, -11.9270, 34.4490

Conversions

Conversions Part 2

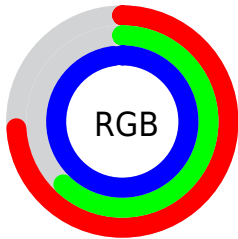
Format	Color
RYB	188, 159, 250
Decimal	12361722
CIELab	71.14, 29.08, -41.52
CIELCh	71, 50.691, 305.010
Yxy	42.3898, 0.2670, 0.2246
Android (android.graphics.Color)	4290551802 (0xFFBC9FFA)
YUV	178.0450, 35.4738, 8.7305
Hunter-Lab	65.1074, 24.2192, -41.8185

Details

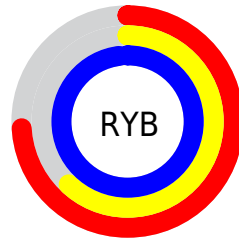
The RYB color **188, 159, 250** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **159, 250, 188**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **246, 214, 255**, and **133, 107, 193** is the 20% darker color. If you saturate the color by 10%, you get **171, 134, 250**, and if you desaturate by 10%, it is **205, 184, 250**.

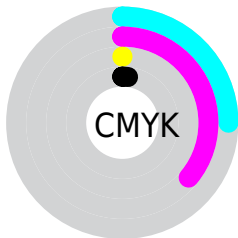
Distribution



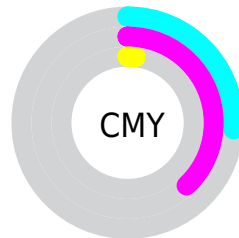
- Red (74%)
- Green (62%)
- Blue (98%)



- Red (74%)
- Yellow (62%)
- Blue (98%)



- Cyan (25%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)



- Cyan (26%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 159, 250 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 188, 159, 250 by changing the saturation by 10% instead.


 188, 159, 250

255, 255, 255

 246, 214, 255

 255, 242, 255

 188, 159, 250

 160, 133, 221

 133, 107, 193

 106, 83, 166

 80, 59, 139

 54, 37, 113

 26, 15, 88

 2, 0, 64

 0, 3, 41

 0, 1, 19

■ 188, 159, 250

■ 188, 159, 250

■ 171, 134, 250

■ 205, 184, 250

■ 154, 109, 250

■ 222, 209, 250

■ 137, 84, 250

■ 239, 234, 250

■ 120, 59, 250

■ 250, 255, 250

■ 103, 34, 250

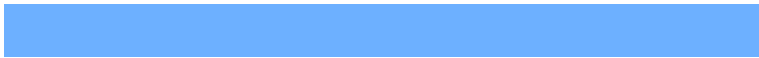
■ 86, 9, 250

■ 80, 0, 250

Harmonies

Analogous

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



109, 155, 255



188, 159, 250



238, 142, 214

Triad

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



188, 159, 250



233, 220, 90



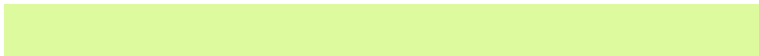
0, 103, 198

Complementary

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



188, 159, 250



159, 250, 188

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.



83, 160, 195



188, 159, 250



103, 194, 79

Square

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



188, 159, 250



255, 145, 124



96, 187, 137



0, 105, 226

Rectangle

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



188, 159, 250



255, 136, 184



96, 187, 137



0, 107, 197

Sweetspot

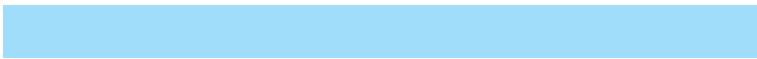
The Sweet Spot groups the original color and five complimentary colors.



188, 159, 250



236, 227, 255



159, 196, 250



116, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 159, 250



179, 143, 255



233, 159, 250



116, 112, 125



60, 0, 189



20, 0, 61

Inverse Universe

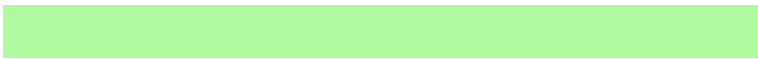
The Inverse Universe completely reimagines the original color for something new.



250, 159, 221



255, 143, 219



159, 250, 233



125, 112, 121



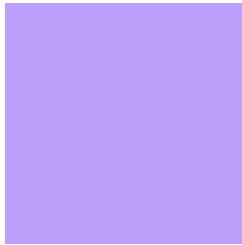
189, 0, 129



61, 0, 42

Previews

White Background



This preview shows how the RYB color 188, 159, 250 looks on a white background.

Color Contrast Check

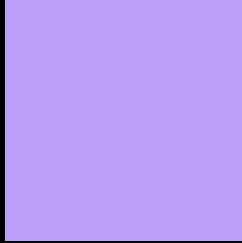
Large Text (above 18pt) WCAG AA × Fail

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 188, 159, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

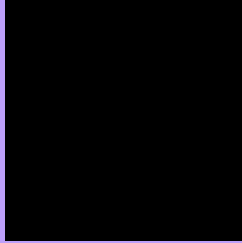
Any Text WCAG AA ✓ Pass

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 188, 159, 250 Background



This preview shows how black text looks on a background with the RYB color 188, 159, 250.



This preview shows how white text looks on a background with the RYB color 188, 159, 250.

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
188, 159, 250

Protanopia
146, 166, 255

Deuteranopia
147, 167, 247



Tritanopia
176, 172, 186

Trichromacy



Original Color

188, 159, 250



Protanomaly

161, 167, 253



Deuteranomaly

162, 167, 248



Tritanomaly

180, 167, 209

Monochromacy



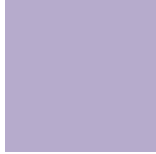
Original Color

188, 159, 250



Achromatopsia

178, 178, 178



Achromatomaly

182, 171, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 159, 250 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(188, 159, 250)` looks like.

```
.text, #text, p{  
  color:rgb(188, 159, 250)  
}
```

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(188, 159, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 159, 250) }
```

Border

The CSS property to change the border of an element to RYB 188, 159, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

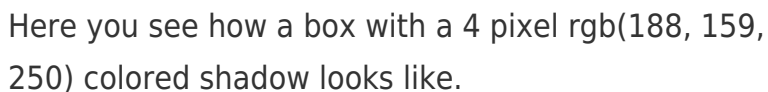
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 159, 250) }
```

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

```
.border{ border-color:rgb(188, 159, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 159, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 159, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 159, 250); box-shadow:4px 4px 4px 4px rgb(188, 159, 250) }
```

Background

The CSS property to change the background color of an element to RYB 188, 159, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 159, 250) }
```

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

```
.background{ background-color: rgb(188,  
159, 250) }
```

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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