

Converting Colors

`RYB(188, 138, 229)`

Have a look what the booklet for
RYB(188, 138, 229) contains.

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Color

RYB(188, 138, 229)

Conversions

Conversions Part 1

Format	Color
Hex	BC8AE5
RGB	188, 138, 229
RGB Percent	74%, 54%, 90%
CMY	0.2627, 0.4588, 0.1020
CMYK	0.18, 0.40, 0.00, 0.10
HSL	273°, 64%, 72%
HSV	273°, 40%, 90%
XYZ	43.9704, 34.5255, 78.4753
YIQ	163.3240, 0.5890, 38.9010

Conversions

Conversions Part 2

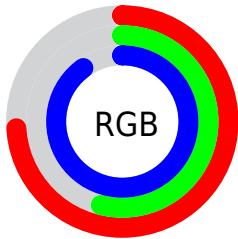
Format	Color
RYB	188, 138, 229
Decimal	12356325
CIELab	65.38, 35.94, -39.01
CIELCh	65, 53.041, 312.652
Yxy	34.5255, 0.2801, 0.2199
Android (android.graphics.Color)	4290546405 (0xFFBC8AE5)
YUV	163.3240, 32.3783, 21.6409
Hunter-Lab	58.7584, 30.7489, -38.0545

Details

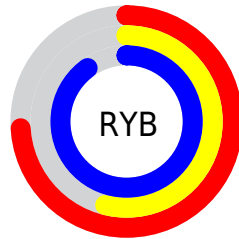
The RYB color **188, 138, 229** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **138, 229, 188**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **245, 192, 255**, and **133, 87, 173** is the 20% darker color. If you saturate the color by 10%, you get **178, 115, 229**, and if you desaturate by 10%, it is **198, 161, 229**.

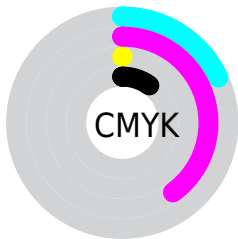
Distribution



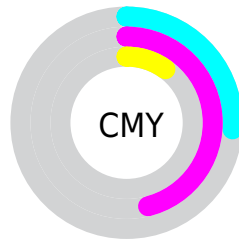
- Red (74%)
- Green (54%)
- Blue (90%)



- Red (74%)
- Yellow (54%)
- Blue (90%)



- Cyan (18%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)



- Cyan (26%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 138, 229 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, 138, 229 by changing the saturation by 10% instead.


 188, 138, 229


255, 255, 255

 245, 192, 255

 255, 220, 255

 255, 249, 255

 188, 138, 229

 160, 112, 201

 133, 87, 173

 107, 63, 146

 81, 39, 120

 55, 15, 95

 30, 0, 71

 0, 0, 48

 0, 1, 26

 0, 0, 0

 188, 138, 229

 188, 138, 229

 178, 115, 229

 198, 161, 229

 167, 92, 229


 209, 184, 229

 157, 69, 229

 219, 207, 229

 147, 46, 229

 229, 230, 230

 136, 23, 229

 229, 252, 241

 126, 1, 229

 229, 255, 234

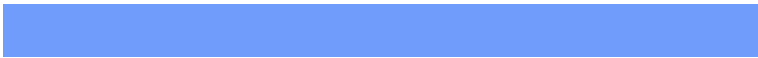
 126, 0, 229

 229, 255, 229

Harmonies

Analogous

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



112, 146, 251



188, 138, 229



232, 121, 188

Triad

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



188, 138, 229



179, 209, 66



0, 92, 182

Complementary

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



188, 138, 229



138, 229, 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.



14, 113, 181



188, 138, 229



64, 166, 61

Square

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



188, 138, 229



238, 139, 96



86, 174, 146



0, 99, 222

Rectangle

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



188, 138, 229



245, 117, 156



86, 174, 146



0, 96, 182

Sweetspot

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



188, 138, 229



241, 224, 255



138, 167, 229



119, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 138, 229



200, 133, 255



229, 138, 226



110, 103, 115



98, 0, 179



28, 0, 51

Inverse Universe

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



229, 138, 179



255, 133, 188



138, 226, 229



115, 103, 108



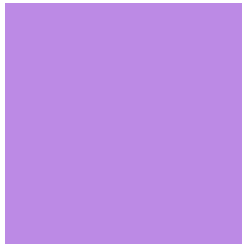
179, 0, 80



51, 0, 23

Previews

White Background



This preview shows how the RYB color 188, 138, 229 looks on a white background.

Color Contrast Check

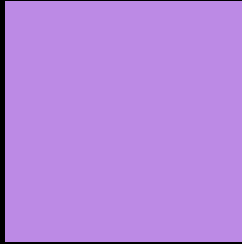
Large Text (above 18pt) WCAG AA × Fail

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, 138, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

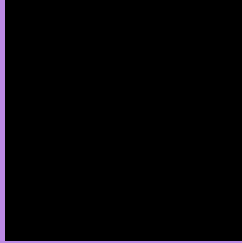
Any Text WCAG AA ✓ Pass

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, 138, 229 Background



This preview shows how black text looks on a background with the RYB color 188, 138, 229.

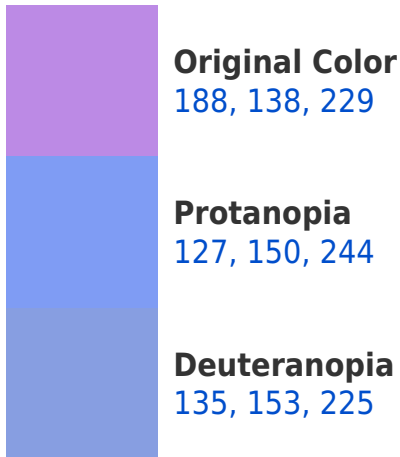



This preview shows how white text looks on a background with the RYB color 188, 138, 229.

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
177, 152, 164

Trichromacy



Original Color

188, 138, 229



Protanomaly

149, 149, 239



Deuteranomaly

154, 150, 226



Tritanomaly

181, 147, 188

Monochromacy



Original Color

188, 138, 229



Achromatopsia

163, 163, 163



Achromatomaly

172, 154, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 138, 229 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, 138, 229)` looks like.

```
.text, #text, p{  
    color:rgb(188, 138, 229)  
}
```

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, 138, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 138, 229) }
```

Border

The CSS property to change the border of an element to RYB 188, 138, 229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

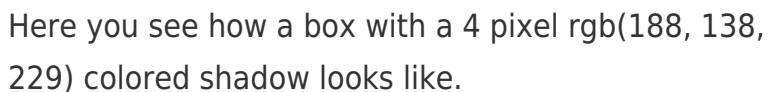
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 138, 229) }
```

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

```
.border{ border-color:rgb(188, 138, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 138, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 138, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 138, 229); box-shadow:4px 4px 4px 4px rgb(188, 138, 229) }
```

Background

The CSS property to change the background color of an element to RYB 188, 138, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 138, 229) }
```

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

```
.background{ background-color: rgb(188,  
138, 229) }
```

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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