

Converting Colors

`RYB(188, 155, 223)`

Have a look what the booklet for
RYB(188, 155, 223) contains.

RYB(188, 155, 223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(188, 155, 223)

Conversions

Conversions Part 1

Format	Color
Hex	BC9BDF
RGB	188, 155, 223
RGB Percent	74%, 61%, 87%
CMY	0.2627, 0.3922, 0.1255
CMYK	0.16, 0.30, 0.00, 0.13
HSL	269°, 52%, 74%
HSV	269°, 30%, 87%
XYZ	45.7797, 39.4618, 75.0161
YIQ	172.6190, -2.1600, 28.1440

Conversions

Conversions Part 2

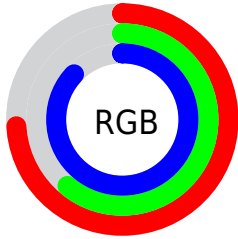
Format	Color
RYB	188, 155, 223
Decimal	12360671
CIELab	69.08, 25.19, -29.94
CIELCh	69, 39.133, 310.073
Yxy	39.4618, 0.2857, 0.2462
Android (android.graphics.Color)	4290550751 (0xFFBC9BDF)
YUV	172.6190, 24.8378, 13.4891
Hunter-Lab	62.8186, 20.1510, -26.8293

Details

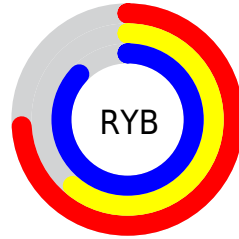
The RYB color **188, 155, 223** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **155, 223, 188**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **245, 210, 255**, and **134, 103, 168** is the 20% darker color. If you saturate the color by 10%, you get **177, 133, 223**, and if you desaturate by 10%, it is **199, 177, 223**.

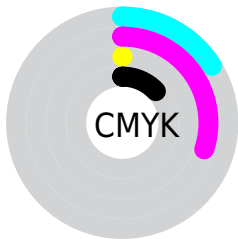
Distribution



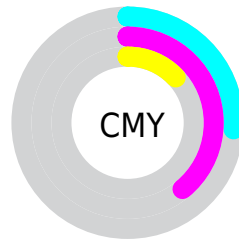
- Red (74%)
- Green (61%)
- Blue (87%)



- Red (74%)
- Yellow (61%)
- Blue (87%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)



- Cyan (26%)
- Magenta (39%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the RYB color 188, 155, 223 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, 155, 223 by changing the saturation by 10% instead.

 188, 155, 223

 188, 155, 223

255, 255, 255

 161, 129, 195


 245, 210, 255

 134, 103, 168


 255, 238, 255

 108, 79, 141

 83, 56, 115

 58, 34, 90

 34, 12, 67


 15, 0, 44

 0, 1, 22


 0, 0, 0

 188, 155, 223

 188, 155, 223

 177, 133, 223


 199, 177, 223

 165, 110, 223


 211, 200, 223

 154, 88, 223

 222, 222, 223

 142, 66, 223

 223, 244, 233

 131, 43, 223

 223, 255, 233

 119, 21, 223

 223, 255, 223

 108, 0, 223

Harmonies

Analogous

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



136, 160, 238



188, 155, 223



223, 144, 194

Triad

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



188, 155, 223



208, 212, 102



38, 115, 188

Complementary

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



188, 155, 223



155, 223, 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.



96, 155, 186



188, 155, 223



109, 180, 98

Square

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



188, 155, 223



232, 153, 125



113, 180, 152



0, 99, 213

Rectangle

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



188, 155, 223



235, 141, 170



113, 180, 152



60, 129, 187

Sweetspot

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



188, 155, 223



243, 232, 255



155, 178, 223



120, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 155, 223



206, 161, 255



222, 155, 223



106, 101, 112



85, 0, 176



24, 0, 48

Inverse Universe

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



223, 155, 190



255, 161, 209



155, 223, 222



112, 101, 107



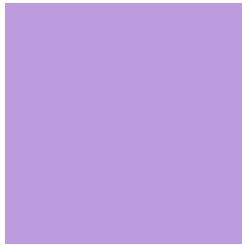
176, 0, 91



48, 0, 25

Previews

White Background



This preview shows how the RYB color 188, 155, 223 looks on a white background.

Color Contrast Check

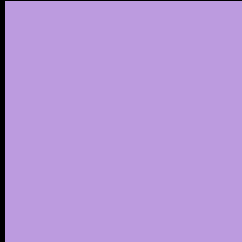
Large Text (above 18pt) WCAG AA × Fail

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, 155, 223 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, 155, 223 Background



This preview shows how black text looks on a background with the RYB color 188, 155, 223.

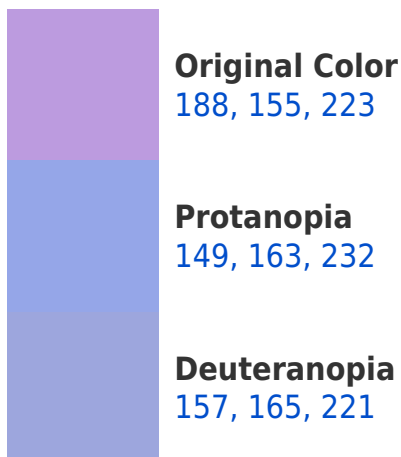



This preview shows how white text looks on a background with the RYB color 188, 155, 223.

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
180, 164, 177

Trichromacy



Original Color
188, 155, 223

Protanomaly
163, 162, 229

Deuteranomaly
168, 162, 222

Tritanomaly
183, 161, 194

Monochromacy



Original Color
188, 155, 223

Achromatopsia
173, 173, 173

Achromatomaly
178, 166, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 155, 223 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, 155, 223) looks like.

```
.text, #text, p{  
    color:rgb(188, 155, 223)  
}
```

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, 155, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 155, 223) }
```

Border

The CSS property to change the border of an element to RYB 188, 155, 223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

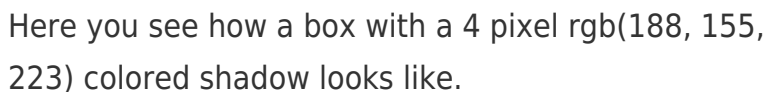
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 155, 223) }
```

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

```
.border{ border-color:rgb(188, 155, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 155, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 155, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 155, 223);  
box-shadow:4px 4px 4px 4px rgb(188, 155,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 188, 155, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 155, 223) }
```

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

```
.background{ background-color: rgb(188,  
155, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor