

Converting Colors

`RYB(203, 152, 239)`

Have a look what the booklet for RYB(203, 152, 239) contains.

RYB(203, 152, 239)	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(203, 152, 239)

Conversions

Conversions Part 1

Format	Color
Hex	CB98EF
RGB	203, 152, 239
RGB Percent	80%, 60%, 94%
CMY	0.2039, 0.4039, 0.0627
CMYK	0.15, 0.36, 0.00, 0.06
HSL	275°, 73%, 77%
HSV	275°, 36%, 94%
XYZ	51.4368, 41.3850, 86.9384
YIQ	177.1670, 2.4690, 37.8690

Conversions

Conversions Part 2

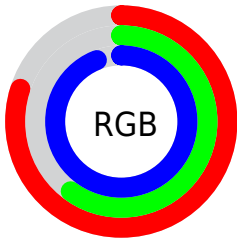
Format	Color
R_{YB}	203, 152, 239
Decimal	13342959
CIE _{Lab}	70.44, 34.85, -36.50
CIE _{LCh}	70, 50.467, 313.674
Yxy	41.3850, 0.2861, 0.2302
Android (android.graphics.Color)	4291533039 (0xFFFCB98EF)
YUV	177.1670, 30.4837, 22.6555
Hunter-Lab	64.3312, 30.1425, -35.0939

Details

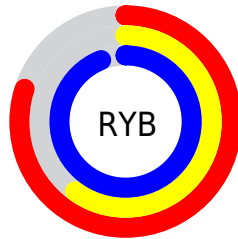
The RYB color **203, 152, 239** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **152, 239, 203**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **255, 207, 255**, and **148, 100, 183** is the 20% darker color. If you saturate the color by 10%, you get **193, 128, 239**, and if you desaturate by 10%, it is **213, 176, 239**.

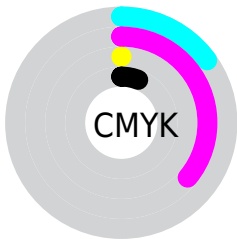
Distribution



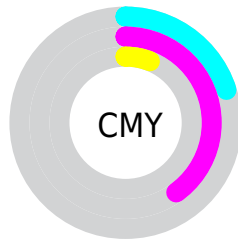
- Red (80%)
- Green (60%)
- Blue (94%)



- Red (80%)
- Yellow (60%)
- Blue (94%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 152, 239 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 203, 152, 239 by changing the saturation by 10% instead.

 203, 152, 239

 203, 152, 239


255, 255, 255

 175, 126, 210

 255, 207, 255

 148, 100, 183

 255, 235, 255

 121, 75, 156

 95, 51, 129


 69, 28, 104

 44, 3, 79


 25, 0, 56

 0, 2, 33


 0, 0, 7

 203, 152, 239

 203, 152, 239

 193, 128, 239


 213, 176, 239

 183, 104, 239

 223, 200, 239

 173, 80, 239

 233, 224, 239

 163, 56, 239

 239, 248, 244

 154, 33, 239

 239, 255, 242

 144, 9, 239

 239, 255, 239

 140, 0, 239

Harmonies

Analogous

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



134, 162, 255



203, 152, 239



244, 137, 199

Triad

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



203, 152, 239



189, 221, 83



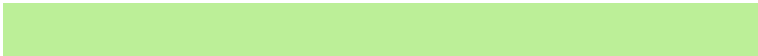
0, 99, 196

Complementary

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



203, 152, 239



152, 239, 203

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.



54, 139, 194



203, 152, 239



83, 179, 80

Square

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



203, 152, 239



249, 154, 111



103, 188, 163



0, 106, 234

Rectangle

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



203, 152, 239



255, 133, 168



103, 188, 163



0, 103, 196

Sweetspot

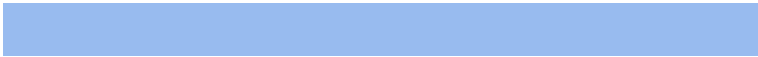
The Sweet Spot groups the original color and five complimentary colors.



203, 152, 239



243, 227, 255



152, 177, 239



121, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



203, 152, 239



209, 143, 255



239, 152, 232



115, 108, 120



108, 0, 184



33, 0, 56

Inverse Universe

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



239, 152, 188



255, 143, 189



152, 233, 239



120, 108, 113



184, 0, 76



56, 0, 23

Previews

White Background



This preview shows how the RYB color 203, 152, 239 looks on a white background.

Color Contrast Check

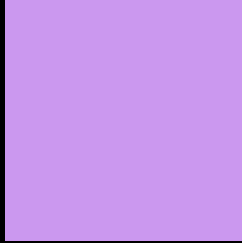
Large Text (above 18pt) WCAG AA × Fail

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 203, 152, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

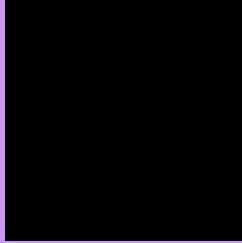
Any Text WCAG AA ✓ Pass

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 203, 152, 239 Background



This preview shows how black text looks on a background with the RYB color 203, 152, 239.



This preview shows how white text looks on a background with the RYB color 203, 152, 239.

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
203, 152, 239

Protanopia
145, 165, 253

Deuteranopia
153, 167, 235



Tritanopia
193, 165, 178

Trichromacy



Original Color

203, 152, 239



Protanomaly

166, 163, 248



Deuteranomaly

171, 163, 236



Tritanomaly

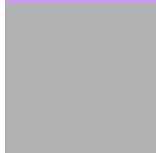
197, 160, 200

Monochromacy



Original Color

203, 152, 239



Achromatopsia

177, 177, 177



Achromatomaly

186, 168, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 152, 239 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(203, 152, 239) looks like.

```
.text, #text, p{  
    color:rgb(203, 152, 239)  
}
```

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(203, 152, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 152, 239) }
```

Border

The CSS property to change the border of an element to RYB 203, 152, 239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

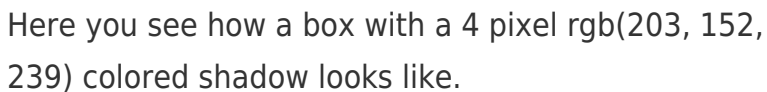
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 152, 239) }
```

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

```
.border{ border-color:rgb(203, 152, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 152, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 152, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 152, 239);  
box-shadow:4px 4px 4px 4px rgb(203, 152,  
239) }
```

Background

The CSS property to change the background color of an element to RGB 203, 152, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 152, 239) }
```

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

```
.background{ background-color: rgb(203,  
152, 239) }
```

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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