

Converting Colors

`RYB(170, 123, 211)`

Have a look what the booklet for
RYB(170, 123, 211) contains.

| | |
|--|----|
| RYB(170, 123, 211) | 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

$\text{RYB}(170, 123, 211)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | AA7BD3 |
| RGB | 170, 123, 211 |
| RGB Percent | 67%, 48%, 83% |
| CMY | 0.3333, 0.5176, 0.1725 |
| CMYK | 0.19, 0.42, 0.00, 0.17 |
| HSL | 272°, 50%, 65% |
| HSV | 272°, 42%, 83% |
| XYZ | 35.4184, 27.4151, 65.0529 |
| YIQ | 147.0850, -0.2360, 37.3320 |

Conversions

Conversions Part 2

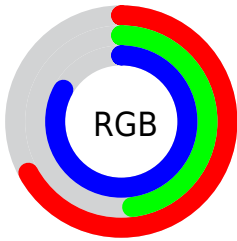
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 170, 123, 211 |
| Decimal | 11172819 |
| CIELab | 59.36, 34.99, -38.52 |
| CIELCh | 59, 52.042, 312.250 |
| Yxy | 27.4151, 0.2770, 0.2144 |
| Android (android.graphics.Color) | 4289362899 (0xFFAA7BD3) |
| YUV | 147.0850, 31.5101, 20.0965 |
| Hunter-Lab | 52.3594, 29.1168, -37.0120 |

Details

The RYB color **170, 123, 211** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **123, 211, 170**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **227, 176, 255**, and **116, 73, 156** is the 20% darker color. If you saturate the color by 10%, you get **160, 102, 211**, and if you desaturate by 10%, it is **180, 144, 211**.

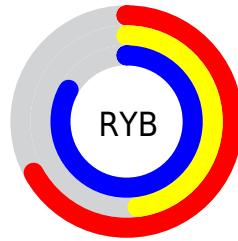
Distribution



Red (67%)

Green (48%)

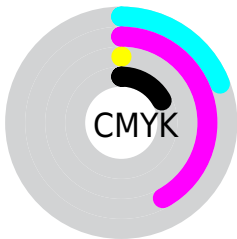
Blue (83%)



Red (67%)

Yellow (48%)

Blue (83%)

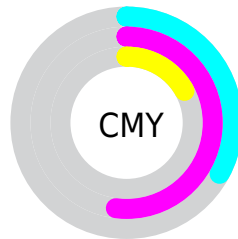


Cyan (19%)

Magenta (42%)

Yellow (0%)

Black (17%)



Cyan (33%)


Magenta (52%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 123, 211 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 170, 123, 211 by changing the saturation by 10% instead.


 170, 123, 211

255, 255, 255

 227, 176, 255

 255, 204, 255

 255, 232, 255

 170, 123, 211

 143, 98, 183

 116, 73, 156

 90, 49, 130

 64, 26, 104

 39, 2, 79


 20, 0, 56


 0, 2, 34


 0, 0, 7

 0, 0, 0


 170, 123, 211


 170, 123, 211

 160, 102, 211


 180, 144, 211

 150, 81, 211


 190, 165, 211


 141, 60, 211


 199, 186, 211

 131, 39, 211


 209, 207, 211


 121, 18, 211


 211, 228, 220

 113, 0, 211

 211, 250, 232

 211, 255, 227

 211, 255, 217

 211, 255, 211

Harmonies

Analogous

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



94, 130, 232



170, 123, 211



212, 106, 172

Triad

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



170, 123, 211



157, 190, 53



0, 84, 165

Complementary

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



170, 123, 211



123, 211, 170

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.



0, 97, 164



170, 123, 211



51, 150, 47

Square

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



170, 123, 211



218, 122, 83



72, 157, 129



0, 90, 203

Rectangle

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



170, 123, 211



225, 102, 141



72, 157, 129



0, 88, 165

Sweetspot

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



170, 123, 211



240, 222, 255



123, 151, 211



118, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 123, 211



196, 128, 255



211, 123, 208



100, 94, 105



90, 0, 168



22, 0, 41

Inverse Universe

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



211, 123, 164



255, 128, 187



123, 208, 211



105, 94, 99



168, 0, 78



41, 0, 19

Previews

White Background



This preview shows how the RYB color 170, 123, 211 looks on a white background.

Color Contrast Check

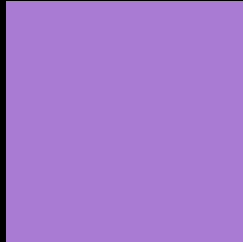
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 123, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

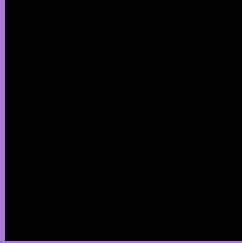
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 170, 123, 211 Background



This preview shows how black text looks on a background with the RYB color 170, 123, 211.

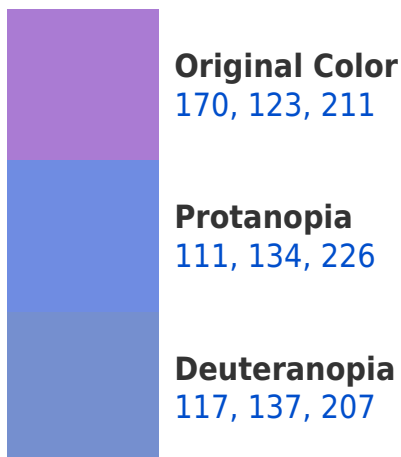



This preview shows how white text looks on a background with the RYB color 170, 123, 211.

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
159, 137, 148

Trichromacy



Original Color
170, 123, 211

Protanomaly
132, 134, 221

Deuteranomaly
136, 135, 208

Tritanomaly
163, 132, 171

Monochromacy



Original Color
170, 123, 211

Achromatopsia
147, 147, 147

Achromatomaly
155, 138, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 123, 211 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(170, 123, 211)` looks like.

```
.text, #text, p{  
    color:rgb(170, 123, 211)  
}
```

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(170, 123, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 123, 211) }
```

Border

The CSS property to change the border of an element to RYB 170, 123, 211 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(170, 123, 211) }
```

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

```
.border{ border-color:rgb(170, 123, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 123, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 123, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 123, 211);  
box-shadow:4px 4px 4px 4px rgb(170, 123,  
211) }
```

Background

The CSS property to change the background color of an element to RYB 170, 123, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 123, 211) }
```

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

```
.background{ background-color: rgb(170,  
123, 211) }
```

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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