

Converting Colors

`RYB(170, 155, 209)`

Have a look what the booklet for
RYB(170, 155, 209) contains.

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Color

R_YB(170, 155, 209)

Conversions

Conversions Part 1

Format	Color
Hex	AA9BD1
RGB	170, 155, 209
RGB Percent	67%, 61%, 82%
CMY	0.3333, 0.3922, 0.1804
CMYK	0.19, 0.26, 0.00, 0.18
HSL	257°, 37%, 71%
HSV	257°, 26%, 82%
XYZ	39.8075, 36.5922, 65.2865
YIQ	165.6410, -8.3940, 19.9740

Conversions

Conversions Part 2

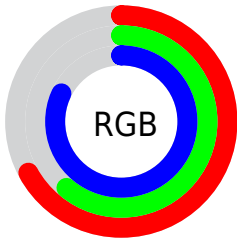
Format	Color
RYB	170, 155, 209
Decimal	11181009
CIELab	66.97, 16.46, -25.60
CIELCh	67, 30.435, 302.748
Yxy	36.5922, 0.2810, 0.2583
Android (android.graphics.Color)	4289371089 (0xFFAA9BD1)
YUV	165.6410, 21.3760, 3.8228
Hunter-Lab	60.4915, 11.6051, -21.6458

Details

The RYB color **170, 155, 209** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **155, 209, 170**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **226, 209, 255**, and **117, 104, 154** is the 20% darker color. If you saturate the color by 10%, you get **155, 134, 209**, and if you desaturate by 10%, it is **185, 176, 209**.

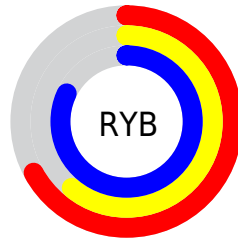
Distribution



Red (67%)

Green (61%)

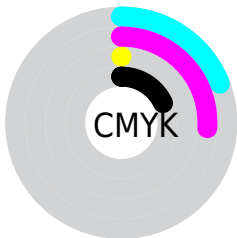
Blue (82%)



Red (67%)

Yellow (61%)

Blue (82%)

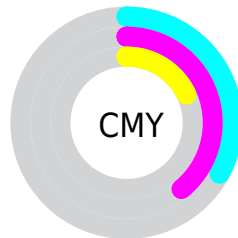


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (18%)



Cyan (33%)


Magenta (39%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 155, 209 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, 155, 209 by changing the saturation by 10% instead.

 170, 155, 209

255, 255, 255

 226, 209, 255

 255, 238, 255

 170, 155, 209


 143, 129, 181

 117, 104, 154

 92, 80, 128

 67, 57, 103

 44, 35, 79

 21, 15, 56

 0, 0, 34

 0, 0, 8

 0, 0, 0

■ 170, 155, 209

■ 170, 155, 209

■ 155, 134, 209

■ 185, 176, 209

■ 140, 113, 209

■ 200, 197, 209

■ 125, 92, 209

■ 209, 218, 212

■ 110, 71, 209

■ 209, 239, 218

■ 95, 51, 209

■ 209, 255, 219

■ 79, 30, 209

■ 209, 255, 209

■ 64, 9, 209

■ 58, 0, 209

Harmonies

Analogous

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



130, 155, 217



170, 155, 209



200, 146, 189

Triad

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



170, 155, 209



203, 182, 115



87, 136, 178

Complementary

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



170, 155, 209



155, 209, 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.



118, 162, 176



170, 155, 209



132, 180, 108

Square

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



170, 155, 209



216, 146, 135



116, 170, 136



72, 128, 192

Rectangle

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



170, 155, 209



212, 143, 171



116, 170, 136



97, 144, 178

Sweetspot

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



170, 155, 209



240, 235, 255



155, 178, 209



118, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 155, 209



198, 176, 255



196, 155, 209



97, 94, 105



47, 0, 168



11, 0, 41

Inverse Universe

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



209, 155, 194



255, 176, 233



155, 209, 196



105, 94, 102



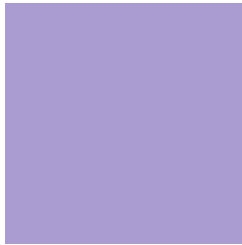
168, 0, 122



41, 0, 29

Previews

White Background



This preview shows how the RYB color 170, 155, 209 looks on a white background.

Color Contrast Check

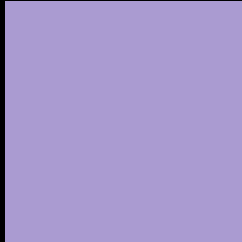
Large Text (above 18pt) WCAG AA × Fail

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 170, 155, 209 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 170, 155, 209 Background



This preview shows how black text looks on a background with the RYB color 170, 155, 209.



This preview shows how white text looks on a background with the RYB color 170, 155, 209.

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
170, 155, 209

Protanopia
149, 159, 213

Deuteranopia
155, 160, 208



Tritanopia
164, 161, 174

Trichromacy



Original Color
170, 155, 209

Protanomaly
157, 159, 212

Deuteranomaly
160, 158, 208

Tritanomaly
166, 159, 187

Monochromacy



Original Color
170, 155, 209

Achromatopsia
166, 166, 166

Achromatomaly
167, 162, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 155, 209 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, 155, 209)` looks like.

```
.text, #text, p{  
    color:rgb(170, 155, 209)  
}
```

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, 155, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 155, 209) }
```

Border

The CSS property to change the border of an element to RYB 170, 155, 209 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, 155, 209) }
```

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

```
.border{ border-color:rgb(170, 155, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 155, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 155, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 155, 209);  
box-shadow:4px 4px 4px 4px rgb(170, 155,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 170, 155, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 155, 209) }
```

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

```
.background{ background-color: rgb(170,  
155, 209) }
```

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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