

Converting Colors

`RYB(170, 155, 237)`

Have a look what the booklet for
RYB(170, 155, 237) contains.

RYB(170, 155, 237)	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(170, 155, 237)

Conversions

Conversions Part 1

Format	Color
Hex	AA9BED
RGB	170, 155, 237
RGB Percent	67%, 61%, 93%
CMY	0.3333, 0.3922, 0.0706
CMYK	0.28, 0.35, 0.00, 0.07
HSL	251°, 69%, 77%
HSV	251°, 35%, 93%
XYZ	43.5850, 38.1032, 85.1782
YIQ	168.8330, -17.3820, 28.6820

Conversions

Conversions Part 2

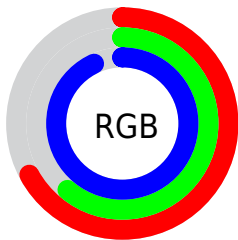
Format	Color
RYB	170, 155, 237
Decimal	11181037
CIELab	68.10, 23.08, -39.29
CIELCh	68, 45.569, 300.436
Yxy	38.1032, 0.2612, 0.2283
Android (android.graphics.Color)	4289371117 (0xFFAA9BED)
YUV	168.8330, 33.6063, 1.0235
Hunter-Lab	61.7278, 18.0124, -38.6049

Details

The RYB color **170, 155, 237** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **155, 237, 170**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **227, 210, 255**, and **116, 104, 181** is the 20% darker color. If you saturate the color by 10%, you get **151, 131, 237**, and if you desaturate by 10%, it is **189, 179, 237**.

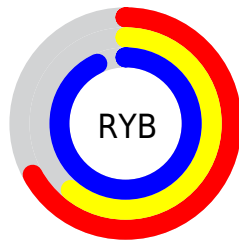
Distribution



Red (67%)

Green (61%)

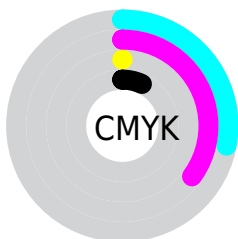
Blue (93%)



Red (67%)

Yellow (61%)

Blue (93%)

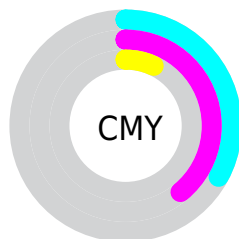


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (39%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 155, 237 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, 237 by changing the saturation by 10% instead.

 170, 155, 237

255, 255, 255

 227, 210, 255

 255, 238, 255

 170, 155, 237


 143, 129, 209

 116, 104, 181

 89, 80, 154

 63, 57, 127

 37, 35, 102

 3, 13, 77

 0, 0, 54

 0, 2, 32

 0, 0, 4

■ 170, 155, 237

■ 170, 155, 237

■ 151, 131, 237

■ 189, 179, 237

■ 131, 108, 237

■ 209, 202, 237

■ 112, 84, 237

■ 228, 226, 237

■ 93, 60, 237

■ 237, 250, 240

■ 73, 36, 237

■ 237, 255, 237

■ 54, 13, 237

■ 43, 0, 237

Harmonies

Analogous

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



98, 147, 248



170, 155, 237



218, 140, 207

Triad

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



170, 155, 237



223, 188, 95



0, 99, 187

Complementary

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



170, 155, 237



155, 237, 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.



97, 163, 184



170, 155, 237



116, 190, 82

Square

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



170, 155, 237



242, 137, 126



93, 176, 121



0, 98, 206

Rectangle

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



170, 155, 237



236, 134, 181



93, 176, 121



46, 126, 186

Sweetspot

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



170, 155, 237



234, 230, 255



155, 192, 237



115, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 155, 237



167, 148, 255



210, 155, 237



108, 106, 117



33, 0, 181



10, 0, 54

Inverse Universe

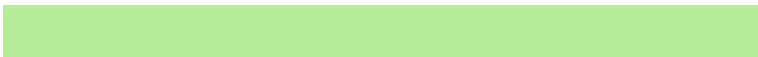
The Inverse Universe completely reimagines the original color for something new.



237, 155, 222



255, 148, 235



155, 237, 210



117, 106, 115



181, 0, 148



54, 0, 44

Previews

White Background



This preview shows how the RYB color 170, 155, 237 looks on a white background.

Color Contrast Check

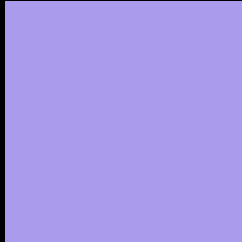
Large Text (above 18pt) WCAG AA × Fail

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, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

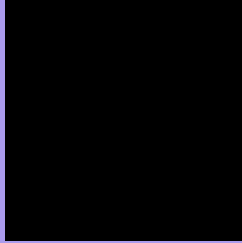
Any Text WCAG AA ✓ Pass

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, 237 Background



This preview shows how black text looks on a background with the RYB color 170, 155, 237.



This preview shows how white text looks on a background with the RYB color 170, 155, 237.

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, 237

Protanopia
139, 159, 244

Deuteranopia
141, 159, 235



Tritanopia
159, 165, 180

Trichromacy



Original Color
170, 155, 237

Protanomaly
150, 159, 241

Deuteranomaly
152, 160, 236

Tritanomaly
163, 163, 201

Monochromacy



Original Color
170, 155, 237

Achromatopsia
169, 169, 169

Achromatomaly
169, 164, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 155, 237 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(170, 155, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 155, 237) }
```

Border

The CSS property to change the border of an element to RYB 170, 155, 237 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, 237) }
```

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

```
.border{ border-color:rgb(170, 155, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 155, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 155, 237);  
box-shadow:4px 4px 4px 4px rgb(170, 155,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 170, 155, 237 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, 237) }
```

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

```
.background{ background-color: rgb(170,  
155, 237) }
```

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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