

Converting Colors

`RYB(170, 125, 233)`

Have a look what the booklet for
RYB(170, 125, 233) contains.

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Color

R_YB(170, 125, 233)

Conversions

Conversions Part 1

Format	Color
Hex	AA7DE9
RGB	170, 125, 233
RGB Percent	67%, 49%, 91%
CMY	0.3333, 0.5098, 0.0863
CMYK	0.27, 0.46, 0.00, 0.09
HSL	265°, 71%, 70%
HSV	265°, 46%, 91%
XYZ	38.6192, 29.0965, 80.6715
YIQ	150.7670, -7.8480, 43.1280

Conversions

Conversions Part 2

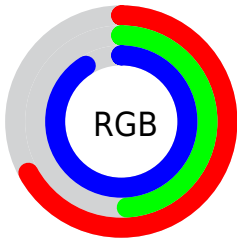
Format	Color
R _Y B	170, 125, 233
Decimal	11173353
CIE Lab	60.87, 39.01, -48.45
CIE LCh	61, 62.199, 308.842
Yxy	29.0965, 0.2603, 0.1961
Android (android.graphics.Color)	4289363433 (0xFFAA7DE9)
YUV	150.7670, 40.5409, 16.8673
Hunter-Lab	53.9411, 33.4001, -50.9122

Details

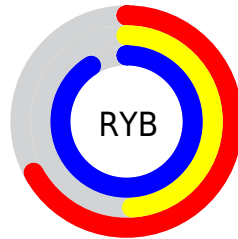
The RYB color **170, 125, 233** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **125, 233, 170**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **227, 178, 255**, and **115, 75, 177** is the 20% darker color. If you saturate the color by 10%, you get **156, 102, 233**, and if you desaturate by 10%, it is **184, 148, 233**.

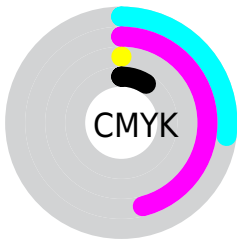
Distribution



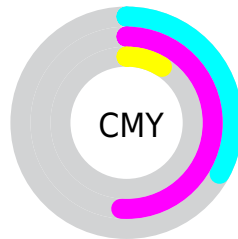
- Red (67%)
- Green (49%)
- Blue (91%)



- Red (67%)
- Yellow (49%)
- Blue (91%)



- Cyan (27%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)




- Cyan (33%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 125, 233 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, 125, 233 by changing the saturation by 10% instead.


 170, 125, 233

255, 255, 255

 227, 178, 255

 255, 206, 255


 255, 235, 255

 170, 125, 233

 142, 99, 205

 115, 75, 177

 88, 51, 150

 61, 27, 123


 32, 3, 98


 4, 0, 73


 0, 4, 50

 0, 1, 28


 0, 0, 0

 170, 125, 233


 170, 125, 233


 156, 102, 233


 184, 148, 233

 143, 78, 233

 197, 172, 233

 129, 55, 233

 211, 195, 233

 116, 32, 233

 224, 218, 233

 102, 9, 233

 233, 242, 237

 97, 0, 233

 233, 255, 236

 233, 255, 233

Harmonies

Analogous

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



51, 117, 255



170, 125, 233



225, 102, 188

Triad

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



170, 125, 233



175, 206, 37



0, 89, 173

Complementary

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



170, 125, 233



125, 233, 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, 105, 170



170, 125, 233



31, 160, 19

Square

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



170, 125, 233



237, 112, 81



54, 163, 117



0, 95, 215

Rectangle

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



170, 125, 233



242, 93, 151



54, 163, 117



0, 94, 172

Sweetspot

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



170, 125, 233



234, 219, 255



125, 165, 233



115, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 125, 233



172, 112, 255



224, 125, 233



110, 106, 117



75, 0, 181



22, 0, 54

Inverse Universe

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



233, 125, 188



255, 112, 195



125, 233, 224



117, 106, 112



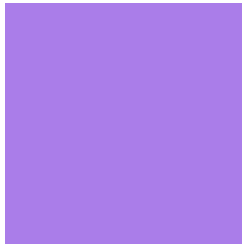
181, 0, 106



54, 0, 31

Previews

White Background



This preview shows how the RYB color 170, 125, 233 looks on a white background.

Color Contrast Check

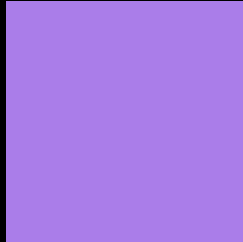
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

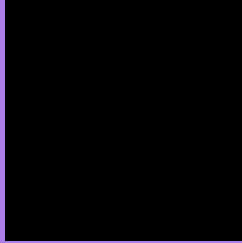
Any Text WCAG AA ✓ Pass

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, 125, 233 Background



This preview shows how black text looks on a background with the RYB color 170, 125, 233.

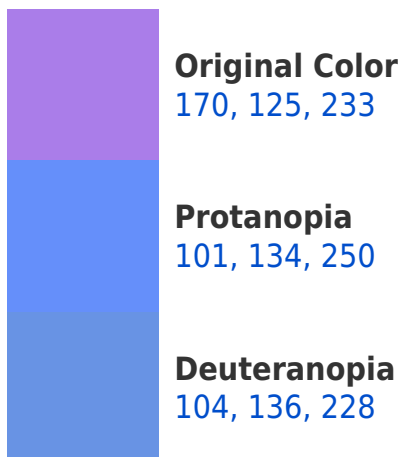



This preview shows how white text looks on a background with the RYB color 170, 125, 233.

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
155, 143, 154

Trichromacy



Original Color

170, 125, 233



Protanomaly

126, 135, 244



Deuteranomaly

128, 138, 230



Tritanomaly

160, 136, 183

Monochromacy



Original Color

170, 125, 233



Achromatopsia

151, 151, 151



Achromatomaly

158, 142, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 125, 233 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, 125, 233)` looks like.

```
.text, #text, p{  
  color:rgb(170, 125, 233)  
}
```

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, 125, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 125, 233) }
```

Border

The CSS property to change the border of an element to RYB 170, 125, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

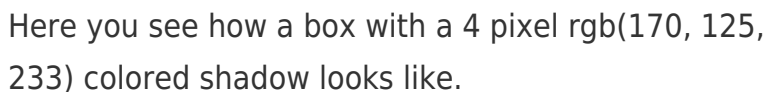
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 125, 233) }
```

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

```
.border{ border-color:rgb(170, 125, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 125, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 125, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 125, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 125,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 170, 125, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 125, 233) }
```

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

```
.background{ background-color: rgb(170,  
125, 233) }
```

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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