

Converting Colors

`RYB(170, 82, 199)`

Have a look what the booklet for RYB(170, 82, 199) contains.

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Color

R_YB(170, 82, 199)

Conversions

Conversions Part 1

Format	Color
Hex	AA52C7
RGB	170, 82, 199
RGB Percent	67%, 32%, 78%
CMY	0.3333, 0.6784, 0.2196
CMYK	0.15, 0.59, 0.00, 0.22
HSL	285°, 51%, 55%
HSV	285°, 59%, 78%
XYZ	29.9037, 18.7042, 56.0670
YIQ	121.6500, 14.8910, 55.0430

Conversions

Conversions Part 2

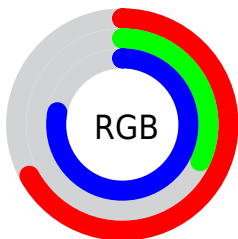
Format	Color
RYB	170, 82, 199
Decimal	11162311
CIELab	50.34, 54.12, -45.93
CIELCh	50, 70.982, 319.683
Yxy	18.7042, 0.2857, 0.1787
Android (android.graphics.Color)	4289352391 (0xFFAA52C7)
YUV	121.6500, 38.1335, 42.4029
Hunter-Lab	43.2483, 47.7377, -46.5896

Details

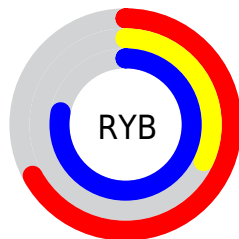
The RYB color **170, 82, 199** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **82, 199, 170**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **228, 136, 255**, and **115, 26, 144** is the 20% darker color. If you saturate the color by 10%, you get **165, 62, 199**, and if you desaturate by 10%, it is **175, 102, 199**.

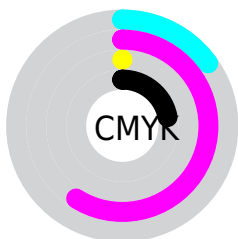
Distribution



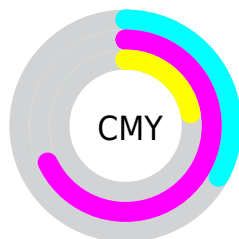
- Red (67%)
- Green (32%)
- Blue (78%)



- Red (67%)
- Yellow (32%)
- Blue (78%)



- Cyan (15%)
- Magenta (59%)
- Yellow (0%)
- Black (22%)




- Cyan (33%)
- Magenta (68%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 82, 199 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, 82, 199 by changing the saturation by 10% instead.

 170, 82, 199

 170, 82, 199

255, 255, 255

 142, 55, 171

 228, 136, 255

 115, 26, 144

 255, 163, 255

 88, 0, 118

 255, 191, 255

 61, 0, 93

 255, 220, 255

 38, 0, 69

 255, 249, 255

 0, 0, 45

 0, 1, 24


 0, 0, 0


 170, 82, 199


 170, 82, 199

 165, 62, 199

 175, 102, 199


 160, 42, 199

 180, 122, 199

 155, 22, 199

 185, 142, 199

 150, 2, 199

 190, 162, 199

 150, 0, 199

 195, 182, 199

 199, 201, 200

 199, 221, 215

 199, 241, 231

 199, 255, 240

Harmonies

Analogous

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



58, 100, 235



170, 82, 199



215, 49, 143

Triad

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



170, 82, 199



77, 162, 0



0, 76, 159

Complementary

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



170, 82, 199



82, 199, 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, 87, 145



170, 82, 199



0, 129, 21

Square

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



170, 82, 199



203, 109, 23



0, 115, 140



0, 85, 212

Rectangle

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



170, 82, 199



225, 44, 103



0, 115, 140



0, 75, 146

Sweetspot

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



170, 82, 199



244, 209, 255



82, 105, 199



121, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 82, 199



210, 74, 255



199, 82, 170



97, 90, 99



123, 0, 163



27, 0, 36

Inverse Universe

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



199, 82, 111



255, 74, 119



82, 176, 199



99, 90, 92



163, 0, 40



36, 0, 9

Previews

White Background



This preview shows how the RYB color 170, 82, 199 looks on a white background.

Color Contrast Check

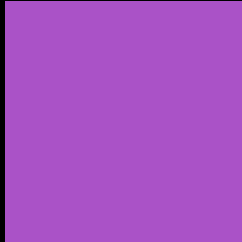
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

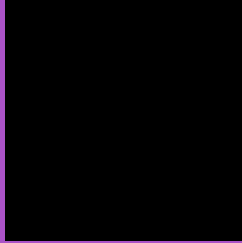
Any Text WCAG AA ✓ Pass

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, 82, 199 Background



This preview shows how black text looks on a background with the RYB color 170, 82, 199.

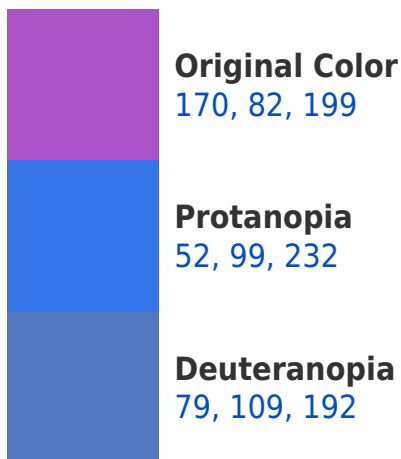



This preview shows how white text looks on a background with the RYB color 170, 82, 199.

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





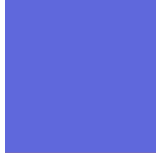
Tritanopia
158, 106, 114

Trichromacy



Original Color

170, 82, 199



Protanomaly

95, 103, 220



Deuteranomaly

112, 106, 195



Tritanomaly

162, 97, 145

Monochromacy



Original Color

170, 82, 199



Achromatopsia

122, 122, 122



Achromatomaly

139, 107, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 82, 199 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, 82, 199)` looks like.

```
.text, #text, p{  
    color:rgb(170, 82, 199)  
}
```

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, 82, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 82, 199) }
```

Border

The CSS property to change the border of an element to RYB 170, 82, 199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

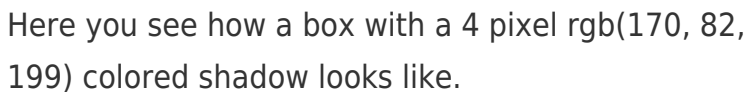
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 82, 199) }
```

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

```
.border{ border-color:rgb(170, 82, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 82, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 82, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 82, 199); box-shadow:4px 4px 4px 4px rgb(170, 82, 199) }
```

Background

The CSS property to change the background color of an element to RYB 170, 82, 199 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 82, 199) }
```

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

```
.background{ background-color: rgb(170, 82,  
199) }
```

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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