

Converting Colors

`RYB(170, 82, 150)`

Have a look what the booklet for
RYB(170, 82, 150) contains.

RYB(170, 82, 150)	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, 82, 150)

Conversions

Conversions Part 1

Format	Color
Hex	AA5296
RGB	170, 82, 150
RGB Percent	67%, 32%, 59%
CMY	0.3333, 0.6784, 0.4118
CMYK	0.00, 0.52, 0.12, 0.33
HSL	314°, 35%, 49%
HSV	314°, 52%, 67%
XYZ	25.0999, 16.7826, 30.7706
YIQ	116.0640, 30.6200, 39.8040

Conversions

Conversions Part 2

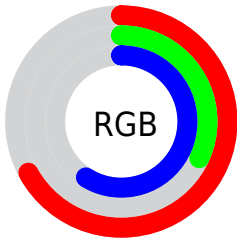
Format	Color
RYB	170, 82, 150
Decimal	11162262
CIELab	47.98, 44.99, -20.93
CIELCh	48, 49.617, 335.053
Yxy	16.7826, 0.3455, 0.2310
Android (android.graphics.Color)	4289352342 (0xFFAA5296)
YUV	116.0640, 16.7304, 47.3019
Hunter-Lab	40.9666, 37.6737, -15.8569

Details

The RYB color **170, 82, 150** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **82, 154, 170**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **227, 135, 204**, and **115, 29, 99** is the 20% darker color. If you saturate the color by 10%, you get **170, 65, 146**, and if you desaturate by 10%, it is **170, 99, 154**.

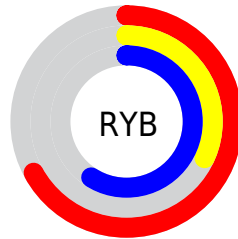
Distribution



Red (67%)

Green (32%)

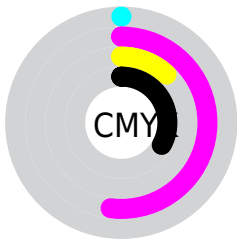
Blue (59%)



Red (67%)

Yellow (32%)

Blue (59%)

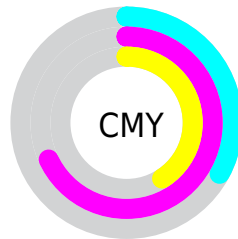


Cyan (0%)

Magenta (52%)

Yellow (12%)

Black (33%)



Cyan (33%)

Magenta (68%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 82, 150 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, 150 by changing the saturation by 10% instead.



170, 82, 150



170, 82, 150

255, 255, 255



142, 56, 124



227, 135, 204



115, 29, 99



255, 162, 233



89, 0, 75



255, 190, 255



64, 0, 52



255, 218, 255



41, 0, 31



255, 247, 255



0, 0, 1



0, 0, 0



170, 82, 150



170, 82, 150



170, 65, 146



170, 99, 154

■ 170, 48, 142

■ 170, 116, 158

■ 170, 31, 138

■ 170, 133, 162

■ 170, 14, 135

■ 170, 150, 165

■ 170, 0, 131

■ 170, 167, 169

■ 170, 182, 184

■ 170, 195, 201

■ 170, 209, 218

■ 170, 223, 235

Harmonies

Analogous

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



124, 100, 183



170, 82, 150



189, 74, 108

Triad

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



170, 82, 150



36, 129, 19



0, 73, 161

Complementary

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



170, 82, 150



82, 154, 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, 71, 134



170, 82, 150



40, 125, 80

Square

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



170, 82, 150



163, 163, 35



0, 83, 131



0, 76, 189

Rectangle

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



170, 82, 150



189, 78, 81



0, 83, 131



0, 70, 148

Sweetspot

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



170, 82, 150



222, 186, 214



101, 82, 170



112, 91, 107



240, 240, 240



112, 112, 112

Same Dimension

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



170, 82, 150



222, 84, 191



170, 82, 107



84, 76, 82



148, 0, 114



20, 0, 16

Inverse Universe

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



170, 82, 150



222, 84, 191



82, 133, 170



84, 76, 82



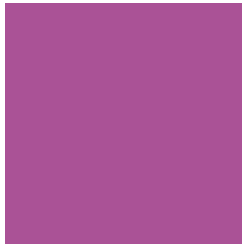
148, 0, 114



20, 0, 16

Previews

White Background



This preview shows how the RYB color 170, 82, 150 looks on a white 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

Black Background



This preview shows how the RYB color 170, 82, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

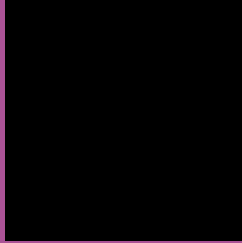
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 170, 82, 150 Background



This preview shows how black text looks on a background with the RYB color 170, 82, 150.

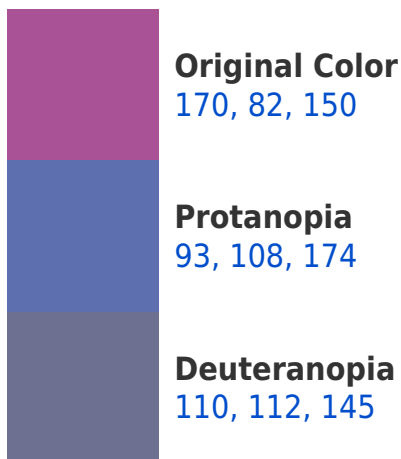


This preview shows how white text looks on a background with the RYB color 170, 82, 150.

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
165, 93, 100

Trichromacy



Original Color
170, 82, 150

Protanomaly
121, 101, 165

Deuteranomaly
132, 101, 147

Tritanomaly
167, 89, 118

Monochromacy



Original Color
170, 82, 150

Achromatopsia
116, 116, 116

Achromatomaly
136, 104, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 82, 150 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 82, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 82, 150) }
```

Border

The CSS property to change the border of an element to RYB 170, 82, 150 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, 150) }
```

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

```
.border{ border-color:rgb(170, 82, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 82, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 82, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 82,  
150) }
```

Background

The CSS property to change the background color of an element to RGB 170, 82, 150 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, 150) }
```

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

```
.background{ background-color: rgb(170, 82,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor