

Converting Colors

`RYB(170, 128, 155)`

Have a look what the booklet for
RYB(170, 128, 155) contains.

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Color

R_YB(170, 128, 155)

Conversions

Conversions Part 1

Format	Color
Hex	AA809B
RGB	170, 128, 155
RGB Percent	67%, 50%, 61%
CMY	0.3333, 0.4980, 0.3922
CMYK	0.00, 0.25, 0.09, 0.33
HSL	321°, 20%, 58%
HSV	321°, 25%, 67%
XYZ	30.2131, 26.3509, 34.5042
YIQ	143.6360, 16.3650, 17.3010

Conversions

Conversions Part 2

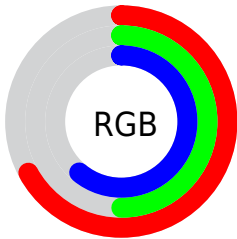
Format	Color
RYB	170, 128, 155
Decimal	11174043
CIELab	58.37, 20.68, -8.13
CIELCh	58, 22.223, 338.536
Yxy	26.3509, 0.3318, 0.2894
Android (android.graphics.Color)	4289364123 (0xFFAA809B)
YUV	143.6360, 5.6025, 23.1212
Hunter-Lab	51.3332, 15.2266, -3.9192

Details

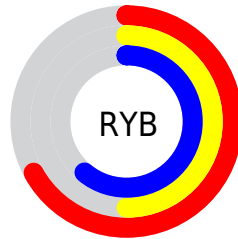
The RYB color **170, 128, 155** is a light color, and the websafe version is hex **996699**. A complement of this color would be **128, 159, 170**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **226, 181, 209**, and **117, 78, 104** is the 20% darker color. If you saturate the color by 10%, you get **170, 111, 149**, and if you desaturate by 10%, it is **170, 145, 161**.

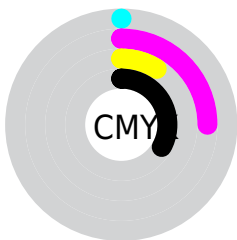
Distribution



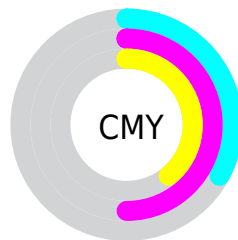
- Red (67%)
- Green (50%)
- Blue (61%)



- Red (67%)
- Yellow (50%)
- Blue (61%)



- Cyan (0%)
- Magenta (25%)
- Yellow (9%)
- Black (33%)




- Cyan (33%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 128, 155 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, 128, 155 by changing the saturation by 10% instead.


 170, 128, 155

255, 255, 255

 226, 181, 209

 255, 209, 238

 255, 237, 255

 170, 128, 155

 143, 103, 129

 117, 78, 104

 92, 55, 80


 68, 33, 57


 45, 11, 35


 24, 0, 13

 0, 0, 0

 170, 128, 155

 170, 111, 149

 170, 128, 155

 170, 145, 161

170, 94, 143

170, 162, 167

170, 77, 137

170, 177, 179

170, 60, 131

170, 189, 196

170, 43, 125

170, 202, 213

170, 26, 119

170, 214, 230

170, 9, 112

170, 226, 247

170, 0, 109

170, 231, 255

170, 228, 255

Harmonies

Analogous

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



150, 133, 171



170, 128, 155



179, 126, 135

Triad

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



170, 128, 155



112, 149, 102



83, 120, 164

Complementary

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



170, 128, 155



128, 159, 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.



87, 121, 151



170, 128, 155



109, 146, 128

Square

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



170, 128, 155



167, 159, 105



105, 136, 150



98, 128, 176

Rectangle

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



170, 128, 155



180, 127, 123



105, 136, 150



83, 119, 158

Sweetspot

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



170, 128, 155



222, 206, 216



143, 128, 170



112, 103, 109



240, 240, 240



112, 112, 112

Same Dimension

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



170, 128, 155



222, 155, 198



170, 128, 134



84, 76, 81



148, 0, 95



20, 0, 13

Inverse Universe

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



170, 128, 155



222, 155, 198



128, 151, 170



84, 76, 81



148, 0, 95



20, 0, 13

Previews

White Background



This preview shows how the RYB color 170, 128, 155 looks on a white background.

Color Contrast Check

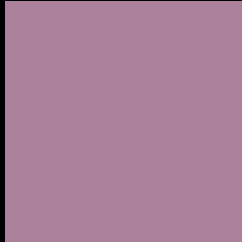
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

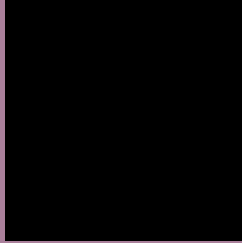
Any Text WCAG AA ✓ Pass

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, 128, 155 Background



This preview shows how black text looks on a background with the RYB color 170, 128, 155.



This preview shows how white text looks on a background with the RYB color 170, 128, 155.

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, 128, 155

Protanopia
137, 139, 162

Deuteranopia
148, 137, 153



Tritanopia
168, 131, 141

Trichromacy



Original Color

170, 128, 155

Protanomaly

149, 135, 159

Deuteranomaly

156, 134, 154

Tritanomaly

169, 130, 146

Monochromacy



Original Color

170, 128, 155

Achromatopsia

144, 144, 144

Achromatomaly

153, 138, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 128, 155 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, 128, 155) looks like.

```
.text, #text, p{  
    color:rgb(170, 128, 155)  
}
```

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, 128, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 128, 155) }
```

Border

The CSS property to change the border of an element to RYB 170, 128, 155 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, 128, 155) }
```

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

```
.border{ border-color:rgb(170, 128, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 128, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 128, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 128, 155);  
box-shadow:4px 4px 4px 4px rgb(170, 128,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 170, 128, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 128, 155) }
```

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

```
.background{ background-color: rgb(170,  
128, 155) }
```

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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