

Converting Colors

`RYB(171, 129, 168)`

Have a look what the booklet for
RYB(171, 129, 168) contains.

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Color

R_YB(171, 129, 168)

Conversions

Conversions Part 1

Format	Color
Hex	AB81A8
RGB	171, 129, 168
RGB Percent	67%, 51%, 66%
CMY	0.3294, 0.4941, 0.3412
CMYK	0.00, 0.25, 0.02, 0.33
HSL	304°, 20%, 59%
HSV	304°, 25%, 67%
XYZ	31.7127, 27.1856, 40.6217
YIQ	146.0040, 12.5130, 21.0330

Conversions

Conversions Part 2

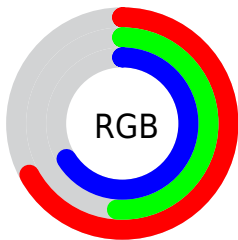
Format	Color
RYB	171, 129, 168
Decimal	11239848
CIELab	59.15, 22.89, -14.42
CIElCh	59, 27.049, 327.794
Yxy	27.1856, 0.3187, 0.2732
Android (android.graphics.Color)	4289429928 (0xFFAB81A8)
YUV	146.0040, 10.8440, 21.9215
Hunter-Lab	52.1398, 17.3235, -9.6945

Details

The RYB color **171, 129, 168** is a light color, and the websafe version is hex **996699**. A complement of this color would be **129, 168, 171**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **227, 182, 223**, and **118, 79, 116** is the 20% darker color. If you saturate the color by 10%, you get **171, 112, 167**, and if you desaturate by 10%, it is **171, 146, 169**.

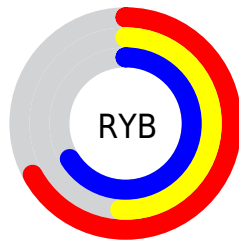
Distribution



Red (67%)

Green (51%)

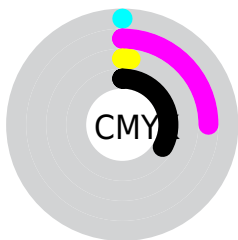
Blue (66%)



Red (67%)

Yellow (51%)

Blue (66%)

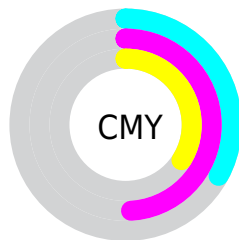


Cyan (0%)

Magenta (25%)

Yellow (2%)

Black (33%)



Cyan (33%)


Magenta (49%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 129, 168 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 171, 129, 168 by changing the saturation by 10% instead.


 171, 129, 168


255, 255, 255

 227, 182, 223

 255, 210, 252

 255, 238, 255

 171, 129, 168

 144, 104, 142

 118, 79, 116

 93, 56, 91

 69, 33, 68


 46, 12, 45


 27, 0, 25

 0, 0, 0

 171, 129, 168

 171, 112, 167

 171, 129, 168

 171, 146, 169

171, 95, 166

171, 163, 170

171, 78, 164

171, 179, 180

171, 61, 163

171, 195, 197

171, 43, 162

171, 211, 214

171, 26, 161

171, 228, 232

171, 9, 159

171, 243, 249

171, 0, 159

171, 249, 255

171, 248, 255

Harmonies

Analogous

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



143, 137, 184



171, 129, 168



187, 125, 145

Triad

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



171, 129, 168



126, 161, 95



65, 112, 164

Complementary

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



171, 129, 168



129, 168, 171

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.



81, 122, 155



171, 129, 168



100, 148, 112

Square

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



171, 129, 168



180, 150, 103



108, 146, 153



76, 120, 182

Rectangle

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



171, 129, 168



190, 125, 129



108, 146, 153



68, 112, 156

Sweetspot

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



171, 129, 168



222, 206, 221



132, 129, 171



112, 103, 112



240, 240, 240



112, 112, 112

Same Dimension

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



171, 129, 168



222, 158, 217



171, 129, 147



87, 78, 86



150, 0, 140



23, 0, 21

Inverse Universe

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



171, 129, 168



222, 158, 217



129, 156, 171



87, 78, 86



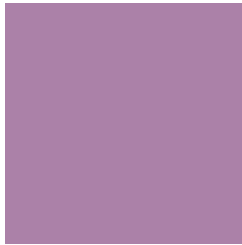
150, 0, 140



23, 0, 21

Previews

White Background



This preview shows how the RYB color 171, 129, 168 looks on a white background.

Color Contrast Check

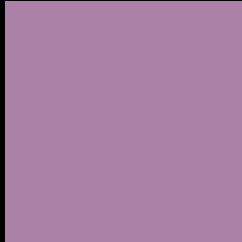
Large Text (above 18pt) WCAG AA ✓ Pass

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 171, 129, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

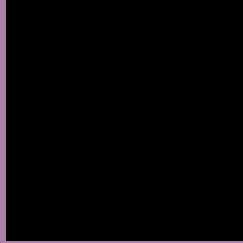
Any Text WCAG AA ✓ Pass

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 171, 129, 168 Background



This preview shows how black text looks on a background with the RYB color 171, 129, 168.

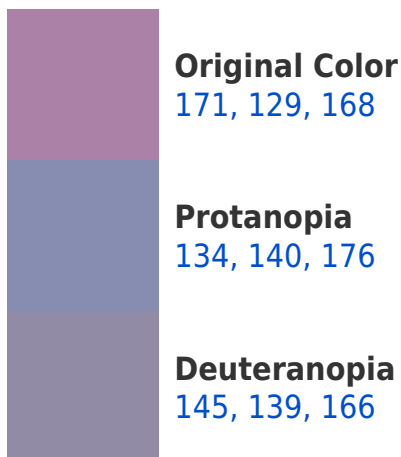


This preview shows how white text looks on a background with the RYB color 171, 129, 168.

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
168, 133, 144

Trichromacy



Original Color
171, 129, 168

Protanomaly
147, 137, 173

Deuteranomaly
154, 135, 167

Tritanomaly
169, 132, 153

Monochromacy



Original Color
171, 129, 168

Achromatopsia
146, 146, 146

Achromatomaly
155, 140, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 129, 168 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(171, 129, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 129, 168)  
}
```

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(171, 129, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 129, 168) }
```

Border

The CSS property to change the border of an element to RYB 171, 129, 168 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(171, 129, 168) }
```

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

```
.border{ border-color:rgb(171, 129, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 129, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 129, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 129, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 129,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 171, 129, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 129, 168) }
```

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

```
.background{ background-color: rgb(171,  
129, 168) }
```

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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