

Converting Colors

`RYB(171, 104, 128)`

Have a look what the booklet for
RYB(171, 104, 128) contains.

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Color

R_YB(171, 104, 128)

Conversions

Conversions Part 1

Format	Color
Hex	AB6880
RGB	171, 104, 128
RGB Percent	67%, 41%, 50%
CMY	0.3294, 0.5922, 0.4980
CMYK	0.00, 0.39, 0.25, 0.33
HSL	339°, 29%, 54%
HSV	339°, 39%, 67%
XYZ	25.6412, 20.1171, 22.9536
YIQ	126.7690, 32.2280, 21.6680

Conversions

Conversions Part 2

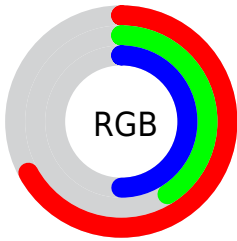
Format	Color
R_{YB}	171, 104, 128
Decimal	11233408
CIE _{Lab}	51.97, 30.10, -1.84
CIE _{LCh}	52, 30.160, 356.497
Yxy	20.1171, 0.3732, 0.2928
Android (android.graphics.Color)	4289423488 (0xFFAB6880)
YUV	126.7690, 0.6069, 38.7906
Hunter-Lab	44.8521, 23.5544, 1.0540

Details

The RYB color **171, 104, 128** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **104, 145, 171**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **228, 156, 181**, and **117, 55, 79** is the 20% darker color. If you saturate the color by 10%, you get **171, 87, 117**, and if you desaturate by 10%, it is **171, 121, 139**.

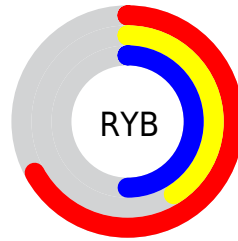
Distribution



Red (67%)

Green (41%)

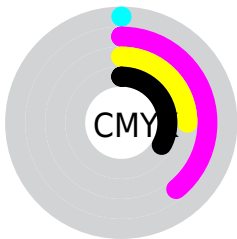
Blue (50%)



Red (67%)

Yellow (41%)

Blue (50%)

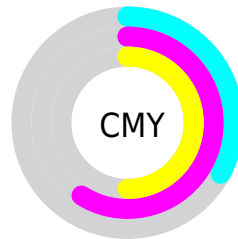


Cyan (0%)

Magenta (39%)

Yellow (25%)

Black (33%)



Cyan (33%)


Magenta (59%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 104, 128 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, 104, 128 by changing the saturation by 10% instead.

 171, 104, 128


255, 255, 255

 228, 156, 181

 255, 183, 208


 255, 211, 237

 255, 240, 255

 171, 104, 128

 144, 79, 103


 117, 55, 79


 91, 31, 56


 66, 6, 35


 44, 0, 13


 0, 0, 0


 171, 104, 128

 171, 87, 117

 171, 70, 106

 171, 104, 128

 171, 121, 139

 171, 138, 150

171, 53, 95

171, 155, 161

171, 36, 84

171, 172, 172

171, 18, 73

171, 182, 189

171, 1, 62

171, 193, 207

171, 0, 61

171, 203, 224

171, 214, 241

171, 221, 255

Harmonies

Analogous

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



154, 109, 153



171, 104, 128



174, 105, 102

Triad

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



171, 104, 128



77, 129, 89



33, 90, 166

Complementary

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



171, 104, 128



104, 145, 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.



10, 76, 146



171, 104, 128



87, 128, 135

Square

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



171, 104, 128



106, 144, 72



52, 100, 138



81, 112, 175

Rectangle

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



171, 104, 128



168, 118, 88



52, 100, 138



16, 81, 161

Sweetspot

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



171, 104, 128



222, 195, 205



146, 104, 171



112, 96, 102



240, 240, 240



112, 112, 112

Same Dimension

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



171, 104, 128



222, 118, 155



171, 114, 104



87, 78, 81



150, 0, 54



23, 0, 8

Inverse Universe

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



171, 104, 128



222, 118, 155



104, 135, 171



87, 78, 81



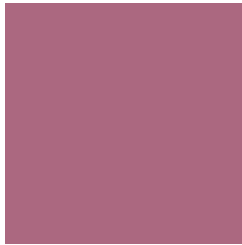
150, 0, 54



23, 0, 8

Previews

White Background



This preview shows how the RYB color 171, 104, 128 looks on a white background.

Color Contrast Check

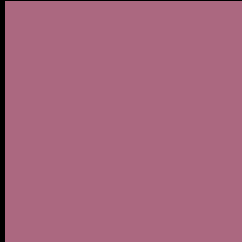
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104, 128 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, 104, 128 Background



This preview shows how black text looks on a background with the RYB color 171, 104, 128.



This preview shows how white text looks on a background with the RYB color 171, 104, 128.

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
171, 104, 128

Protanopia
122, 123, 140

Deuteranopia
136, 120, 125



Tritanopia
170, 106, 114

Trichromacy



Original Color
171, 104, 128

Protanomaly
140, 116, 136

Deuteranomaly
149, 114, 126

Tritanomaly
170, 105, 119

Monochromacy



Original Color
171, 104, 128

Achromatopsia
127, 127, 127

Achromatomaly
143, 119, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 104, 128 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, 104, 128)` looks like.

```
.text, #text, p{  
    color:rgb(171, 104, 128)  
}
```

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, 104, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 104, 128) }
```

Border

The CSS property to change the border of an element to RYB 171, 104, 128 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, 104, 128) }
```

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

```
.border{ border-color:rgb(171, 104, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 104, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 104, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 104, 128);  
box-shadow:4px 4px 4px 4px rgb(171, 104,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 171, 104, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 104, 128) }
```

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

```
.background{ background-color: rgb(171,  
104, 128) }
```

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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