

Converting Colors

`RYB(171, 14, 125)`

Have a look what the booklet for
RYB(171, 14, 125) contains.

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Color

R_YB(171, 14, 125)

Conversions

Conversions Part 1

Format	Color
Hex	AB0E7D
RGB	171, 14, 125
RGB Percent	67%, 5%, 49%
CMY	0.3294, 0.9451, 0.5098
CMYK	0.00, 0.92, 0.27, 0.33
HSL	318°, 85%, 36%
HSV	318°, 92%, 67%
XYZ	20.6533, 10.4527, 20.3311
YIQ	73.5970, 57.9410, 67.8050

Conversions

Conversions Part 2

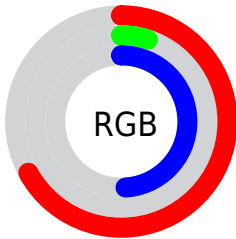
Format	Color
RYB	171, 14, 125
Decimal	11210365
CIELab	38.64, 65.07, -20.10
CIELCh	39, 68.103, 342.833
Yxy	10.4527, 0.4015, 0.2032
Android (android.graphics.Color)	4289400445 (0xFFAB0E7D)
YUV	73.5970, 25.3417, 85.4224
Hunter-Lab	32.3306, 57.4501, -14.6530

Details

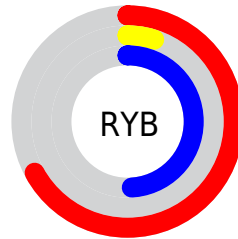
The RYB color **171, 14, 125** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14, 135, 171**, and the grayscale version is **73, 73, 73**.

A 20% lighter version of the original color is **230, 86, 178**, and **114, 0, 76** is the 20% darker color. If you saturate the color by 10%, you get **171, 0, 121**, and if you desaturate by 10%, it is **171, 31, 130**.

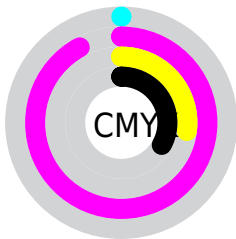
Distribution



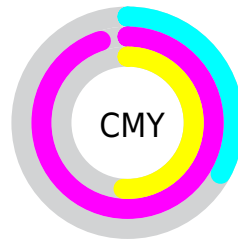
- Red (67%)
- Green (5%)
- Blue (49%)



- Red (67%)
- Yellow (5%)
- Blue (49%)



- Cyan (0%)
- Magenta (92%)
- Yellow (27%)
- Black (33%)



- Cyan (33%)
- Magenta (95%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 14, 125 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, 14, 125 by changing the saturation by 10% instead.



171, 14, 125



171, 14, 125

255, 255, 255



142, 0, 100



230, 86, 178



114, 0, 76



255, 114, 205



86, 0, 53



255, 143, 234



60, 0, 32



255, 171, 255



29, 0, 2



255, 200, 255



0, 0, 0



255, 230, 255



171, 14, 125



171, 14, 125



171, 0, 121



171, 31, 130

■ 171, 48, 135

■ 171, 65, 140

■ 171, 82, 145

■ 171, 100, 150

■ 171, 117, 155

■ 171, 134, 160

■ 171, 151, 165

■ 171, 168, 170

Harmonies

Analogous

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



120, 62, 173



171, 14, 125



185, 0, 70

Triad

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



171, 14, 125



0, 96, 6



0, 67, 166

Complementary

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



171, 14, 125



14, 135, 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.



0, 57, 114



171, 14, 125



0, 107, 106

Square

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



171, 14, 125



110, 137, 0



0, 75, 112



0, 69, 198

Rectangle

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



171, 14, 125



178, 29, 34



0, 75, 112



0, 65, 150

Sweetspot

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



171, 14, 125



222, 160, 204



58, 14, 171



112, 74, 101



240, 240, 240



112, 112, 112

Same Dimension

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



171, 14, 125



222, 0, 157



171, 14, 48



87, 78, 84



150, 0, 106



23, 0, 16

Inverse Universe

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



171, 14, 125



222, 0, 157



14, 102, 171



87, 78, 84



150, 0, 106



23, 0, 16

Previews

White Background



This preview shows how the RYB color 171, 14, 125 looks on a white background.

Color Contrast Check

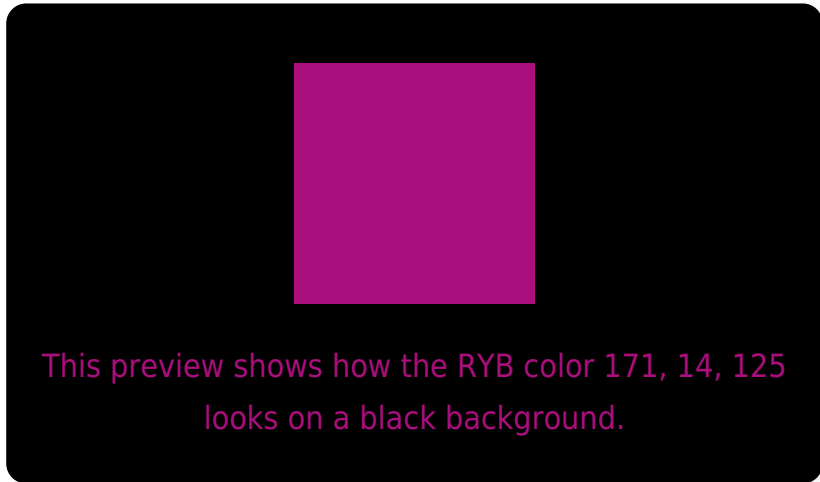
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

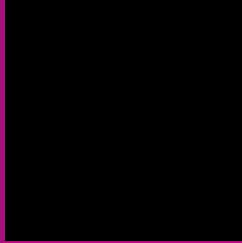
Any Text WCAG AA × Fail

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 171, 14, 125 Background



This preview shows how black text looks on a background with the RYB color 171, 14, 125.

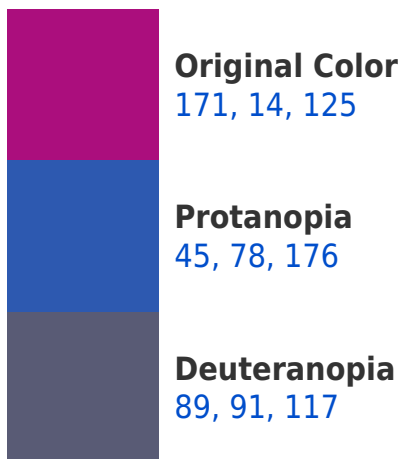


This preview shows how white text looks on a background with the RYB color 171, 14, 125.

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
166, 50, 53

Trichromacy



Original Color

171, 14, 125

Protanomaly

91, 62, 157

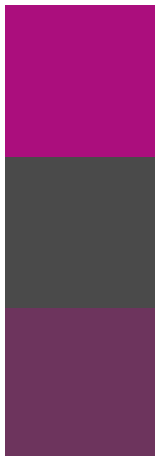
Deuteranomaly

119, 63, 120

Tritanomaly

168, 37, 79

Monochromacy



Original Color

171, 14, 125

Achromatopsia

74, 74, 74

Achromatomaly

109, 52, 93

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 14, 125 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, 14, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 14, 125)  
}
```

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, 14, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 14, 125) }
```

Border

The CSS property to change the border of an element to RYB 171, 14, 125 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, 14, 125) }
```

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

```
.border{ border-color:rgb(171, 14, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 14, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 14, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 14, 125); box-shadow:4px 4px 4px 4px rgb(171, 14, 125) }
```

Background

The CSS property to change the background color of an element to RYB 171, 14, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 14, 125) }
```

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

```
.background{ background-color: rgb(171, 14,  
125) }
```

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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