

Converting Colors

`RYB(174, 0, 125)`

Have a look what the booklet for
RYB(174, 0, 125) contains.

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Color

R_YB(174, 0, 125)

Conversions

Conversions Part 1

Format	Color
Hex	AE007D
RGB	174, 0, 125
RGB Percent	68%, 0%, 49%
CMY	0.3176, 1.0000, 0.5098
CMYK	0.00, 1.00, 0.28, 0.32
HSL	317°, 100%, 34%
HSV	317°, 100%, 68%
XYZ	21.1572, 10.4793, 20.3096
YIQ	66.2760, 63.5790, 75.7630

Conversions

Conversions Part 2

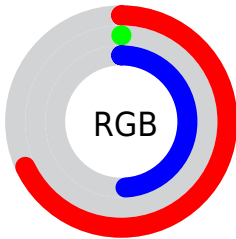
Format	Color
RYB	174, 0, 125
Decimal	11403389
CIELab	38.69, 67.29, -19.98
CIELCh	39, 70.198, 343.463
Yxy	10.4793, 0.4073, 0.2017
Android (android.graphics.Color)	4289593469 (0xFFAE007D)
YUV	66.2760, 28.9509, 94.4739
Hunter-Lab	32.3718, 60.0115, -14.5375

Details

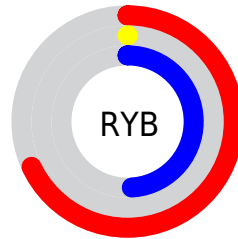
The RYB color **174, 0, 125** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **0, 136, 174**, and the grayscale version is **66, 66, 66**.

A 20% lighter version of the original color is **234, 82, 178**, and **116, 0, 76** is the 20% darker color. If you saturate the color by 10%, you get **174, 0, 125**, and if you desaturate by 10%, it is **174, 17, 130**.

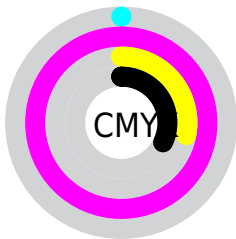
Distribution



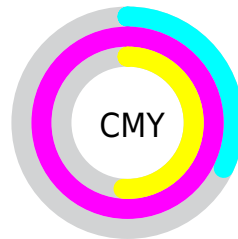
- Red (68%)
- Green (0%)
- Blue (49%)



- Red (68%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 174, 0, 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 174, 0, 125 by changing the saturation by 10% instead.

 174, 0, 125

 174, 0, 125

255, 255, 255

 145, 0, 100

 234, 82, 178

 116, 0, 76

 255, 111, 205

 88, 0, 53

 255, 140, 234

 62, 0, 32

 255, 169, 255


 32, 0, 2

 255, 198, 255

 0, 0, 0

 255, 228, 255

 174, 0, 125

 174, 17, 130

■ 174, 35, 135

■ 174, 52, 140

■ 174, 70, 145

■ 174, 87, 150

■ 174, 104, 154

■ 174, 122, 159

■ 174, 139, 164

■ 174, 157, 169

Harmonies

Analogous

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



122, 60, 175



174, 0, 125



187, 0, 69

Triad

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



174, 0, 125



0, 97, 8



0, 68, 169

Complementary

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



174, 0, 125



0, 136, 174

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, 116



174, 0, 125



0, 108, 108

Square

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



174, 0, 125



107, 137, 0



0, 76, 113



0, 70, 202

Rectangle

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



174, 0, 125



180, 25, 32



0, 76, 113



0, 65, 153

Sweetspot

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



174, 0, 125



227, 159, 208



46, 0, 174



115, 73, 103



242, 242, 242



115, 115, 115

Same Dimension

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



174, 0, 125



227, 0, 163



174, 0, 41



87, 78, 84



150, 0, 108



23, 0, 16

Inverse Universe

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



174, 0, 125



227, 0, 163



0, 99, 174



87, 78, 84



150, 0, 108



23, 0, 16

Previews

White Background



This preview shows how the RYB color 174, 0, 125 looks on a white background.

Color Contrast Check

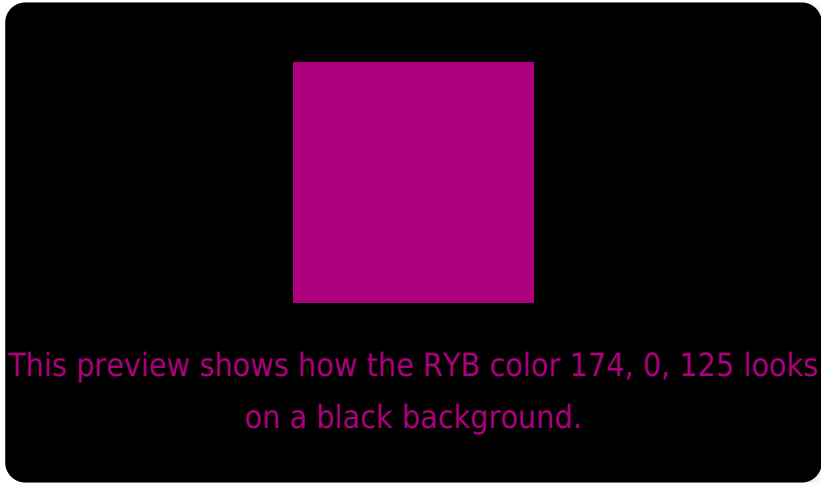
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

R_YB 174, 0, 125 Background



This preview shows how black text looks on a background with the R_YB color 174, 0, 125.



This preview shows how white text looks on a background with the R_YB color 174, 0, 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



Original Color


174, 0, 125

Protanopia

46, 80, 178

Deuteranopia

91, 92, 117



Tritanopia
169, 49, 52

Trichromacy



Original Color

174, 0, 125



Protanomaly

93, 58, 159



Deuteranomaly

121, 59, 120



Tritanomaly

171, 31, 79

Monochromacy



Original Color

174, 0, 125



Achromatopsia

66, 66, 66



Achromatomaly

105, 42, 87

CSS Examples

Text

The CSS property to change the color of the text to RYB 174, 0, 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(174, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 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(174, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 125) }
```

Border

The CSS property to change the border of an element to RYB 174, 0, 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(174, 0, 125) }
```

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

```
.border{ border-color:rgb(174, 0, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
125) }
```

Background

The CSS property to change the background color of an element to RYB 174, 0, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 125) }
```

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

```
.background{ background-color: rgb(174, 0,  
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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