

Converting Colors

`RYB(174, 36, 174)`

Have a look what the booklet for
RYB(174, 36, 174) contains.

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Color

$\text{RYB}(174, 36, 174)$

Conversions

Conversions Part 1

Format	Color
Hex	AE24AE
RGB	174, 36, 174
RGB Percent	68%, 14%, 68%
CMY	0.3176, 0.8588, 0.3176
CMYK	0.00, 0.79, 0.00, 0.32
HSL	300°, 66%, 41%
HSV	300°, 79%, 68%
XYZ	25.7264, 13.3164, 41.2588
YIQ	92.9940, 37.9500, 72.1740

Conversions

Conversions Part 2

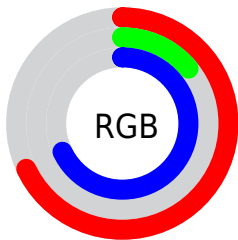
Format	Color
R_{YB}	174, 36, 174
Decimal	11412654
CIE _{Lab}	43.24, 68.10, -42.60
CIE _{LCh}	43, 80.328, 327.976
Yxy	13.3164, 0.3204, 0.1658
Android (android.graphics.Color)	4289602734 (0xFFAE24AE)
YUV	92.9940, 39.9360, 71.0423
Hunter-Lab	36.4917, 61.9811, -41.4912

Details

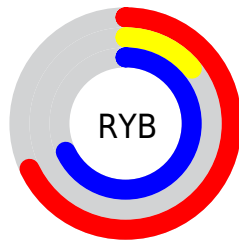
The RYB color **174, 36, 174** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **36, 174, 174**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **233, 99, 230**, and **117, 0, 121** is the 20% darker color. If you saturate the color by 10%, you get **174, 19, 174**, and if you desaturate by 10%, it is **174, 53, 174**.

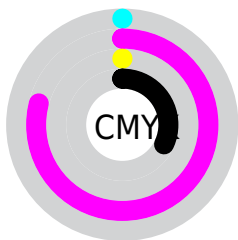
Distribution



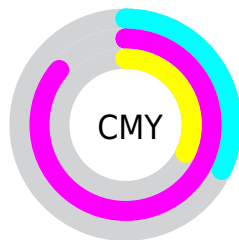
- Red (68%)
- Green (14%)
- Blue (68%)



- Red (68%)
- Yellow (14%)
- Blue (68%)



- Cyan (0%)
- Magenta (79%)
- Yellow (0%)
- Black (32%)



- Cyan (32%)
- Magenta (86%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 174, 36, 174 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, 36, 174 by changing the saturation by 10% instead.

 174, 36, 174

 174, 36, 174

255, 255, 255

 145, 0, 147

 233, 99, 230

 117, 0, 121

 255, 127, 255

 89, 0, 95

 255, 156, 255

 63, 0, 71

 255, 185, 255

 36, 0, 48

 255, 214, 255


 0, 1, 26

 255, 243, 255

 0, 0, 0

 174, 36, 174

 174, 36, 174

 174, 19, 174

 174, 53, 174

174, 1, 174

174, 71, 174

174, 0, 174

174, 88, 174

174, 106, 174

174, 123, 174

174, 140, 174

174, 158, 174

174, 175, 175

174, 193, 193

Harmonies

Analogous

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



71, 85, 222



174, 36, 174



211, 0, 110

Triad

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



174, 36, 174



41, 129, 0



0, 72, 163

Complementary

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



174, 36, 174



36, 174, 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, 73, 128



174, 36, 174



0, 116, 54

Square

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



174, 36, 174



178, 105, 0



0, 108, 124



0, 79, 216

Rectangle

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



174, 36, 174



213, 0, 66



0, 108, 124



0, 68, 142

Sweetspot

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



174, 36, 174



227, 172, 227



36, 36, 174



115, 81, 115



242, 242, 242



115, 115, 115

Same Dimension

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



174, 36, 174



227, 11, 227



174, 36, 105



87, 78, 87



150, 0, 150



23, 0, 23

Inverse Universe

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



174, 36, 174



227, 11, 227



36, 128, 174



87, 78, 87



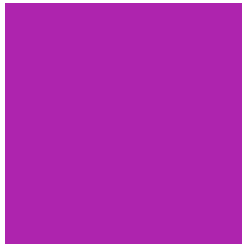
150, 0, 150



23, 0, 23

Previews

White Background



This preview shows how the RYB color 174, 36, 174 looks on a white background.

Color Contrast Check

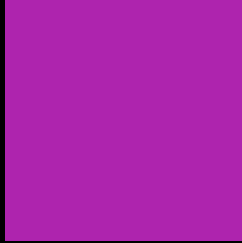
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 174, 36, 174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

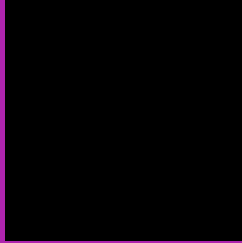
Any Text WCAG AA × Fail

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 174, 36, 174 Background



This preview shows how black text looks on a background with the RYB color 174, 36, 174.

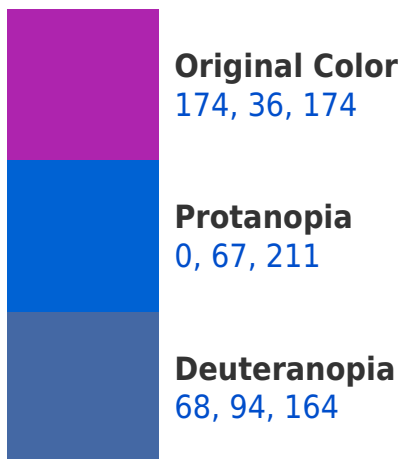


This preview shows how white text looks on a background with the RYB color 174, 36, 174.

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

164, 74, 79

Trichromacy



Original Color

174, 36, 174



Protanomaly

63, 75, 198



Deuteranomaly

107, 79, 168



Tritanomaly

168, 60, 114

Monochromacy



Original Color

174, 36, 174



Achromatopsia

93, 93, 93



Achromatomaly

122, 72, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 174, 36, 174 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, 36, 174)` looks like.

```
.text, #text, p{  
    color:rgb(174, 36, 174)  
}
```

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, 36, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 36, 174) }
```

Border

The CSS property to change the border of an element to RYB 174, 36, 174 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, 36, 174) }
```

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

```
.border{ border-color:rgb(174, 36, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 36, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 36, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 36, 174);  
box-shadow:4px 4px 4px 4px rgb(174, 36,  
174) }
```

Background

The CSS property to change the background color of an element to RGB 174, 36, 174 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 36, 174) }
```

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

```
.background{ background-color: rgb(174, 36,  
174) }
```

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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