

Converting Colors

`RYB(174, 87, 199)`

Have a look what the booklet for RYB(174, 87, 199) contains.

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Color

R_YB(174, 87, 199)

Conversions

Conversions Part 1

Format	Color
Hex	AE57C7
RGB	174, 87, 199
RGB Percent	68%, 34%, 78%
CMY	0.3176, 0.6588, 0.2196
CMYK	0.13, 0.56, 0.00, 0.22
HSL	287°, 50%, 56%
HSV	287°, 56%, 78%
XYZ	31.1726, 19.9386, 56.2384
YIQ	125.7810, 15.9000, 53.2760

Conversions

Conversions Part 2

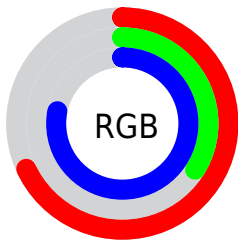
Format	Color
RYB	174, 87, 199
Decimal	11425735
CIELab	51.77, 52.71, -43.63
CIElCh	52, 68.422, 320.386
Yxy	19.9386, 0.2904, 0.1857
Android (android.graphics.Color)	4289615815 (0xFFAE57C7)
YUV	125.7810, 36.0970, 42.2881
Hunter-Lab	44.6526, 46.4709, -43.4168

Details

The RYB color **174, 87, 199** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **87, 199, 174**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **232, 141, 255**, and **119, 33, 144** is the 20% darker color. If you saturate the color by 10%, you get **170, 67, 199**, and if you desaturate by 10%, it is **178, 107, 199**.

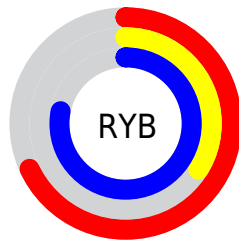
Distribution



Red (68%)

Green (34%)

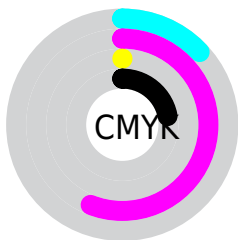
Blue (78%)



Red (68%)

Yellow (34%)

Blue (78%)

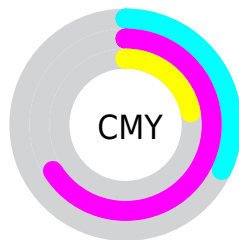


Cyan (13%)

Magenta (56%)

Yellow (0%)

Black (22%)



Cyan (32%)

Magenta (66%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 174, 87, 199 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, 87, 199 by changing the saturation by 10% instead.



174, 87, 199



174, 87, 199

255, 255, 255



146, 61, 171



232, 141, 255



119, 33, 144



255, 168, 255



92, 0, 118



255, 196, 255



65, 0, 93



255, 225, 255



41, 0, 69

255, 254, 255



3, 0, 46



0, 1, 24



0, 0, 0



174, 87, 199




174, 87, 199

 170, 67, 199

 178, 107, 199

 165, 47, 199

 183, 127, 199

 161, 27, 199

 187, 147, 199

 156, 7, 199

 192, 167, 199

 155, 0, 199

 196, 187, 199

 199, 206, 204

 199, 226, 220

 199, 246, 235

 199, 255, 240

Harmonies

Analogous

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



74, 107, 234



174, 87, 199



217, 59, 145

Triad

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



174, 87, 199



74, 165, 0



0, 78, 163

Complementary

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



174, 87, 199



87, 199, 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, 88, 148



174, 87, 199



0, 132, 21

Square

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



174, 87, 199



205, 117, 30



15, 122, 143



0, 87, 213

Rectangle

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



174, 87, 199



226, 55, 106



15, 122, 143



0, 76, 149

Sweetspot

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



174, 87, 199



245, 212, 255



87, 108, 199



122, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



174, 87, 199



216, 82, 255



199, 87, 169



97, 90, 99



127, 0, 163



28, 0, 36

Inverse Universe

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



199, 87, 112



255, 82, 120



87, 175, 199



99, 90, 92



163, 0, 36



36, 0, 8

Previews

White Background



This preview shows how the RYB color 174, 87, 199 looks on a white background.

Color Contrast Check

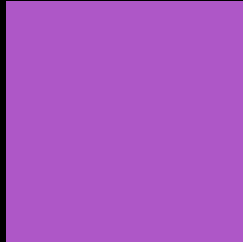
Large Text (above 18pt) WCAG AA ✓ Pass

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 174, 87, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

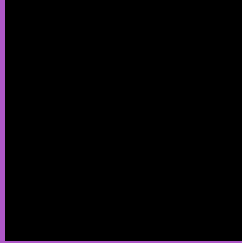
Any Text WCAG AA ✓ Pass

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 174, 87, 199 Background



This preview shows how black text looks on a background with the RYB color 174, 87, 199.

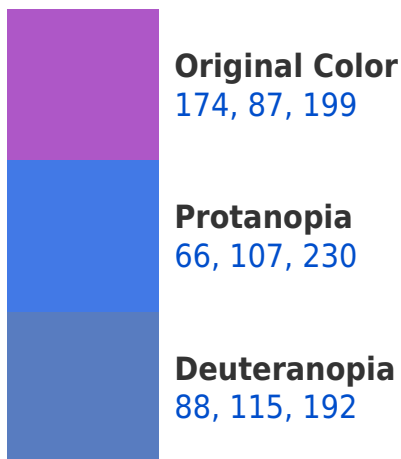


This preview shows how white text looks on a background with the RYB color 174, 87, 199.

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





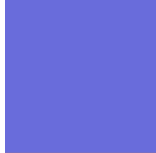
Tritanopia
162, 109, 117

Trichromacy



Original Color

174, 87, 199



Protanomaly

105, 108, 219



Deuteranomaly

119, 111, 195



Tritanomaly

166, 101, 147

Monochromacy



Original Color

174, 87, 199



Achromatopsia

126, 126, 126



Achromatomaly

143, 112, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 174, 87, 199 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, 87, 199) looks like.

```
.text, #text, p{  
    color:rgb(174, 87, 199)  
}
```

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, 87, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 87, 199) }
```

Border

The CSS property to change the border of an element to RYB 174, 87, 199 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, 87, 199) }
```

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

```
.border{ border-color:rgb(174, 87, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 87, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 87, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 87, 199);  
box-shadow:4px 4px 4px 4px rgb(174, 87,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 174, 87, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 87, 199) }
```

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

```
.background{ background-color: rgb(174, 87,  
199) }
```

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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