

Converting Colors

`RYB(172, 82, 222)`

Have a look what the booklet for RYB(172, 82, 222) contains.

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Color

R_YB(172, 82, 222)

Conversions

Conversions Part 1

Format	Color
Hex	AC52DE
RGB	172, 82, 222
RGB Percent	67%, 32%, 87%
CMY	0.3255, 0.6784, 0.1294
CMYK	0.23, 0.63, 0.00, 0.13
HSL	279°, 68%, 60%
HSV	279°, 63%, 87%
XYZ	33.2154, 20.0792, 71.2323
YIQ	124.8700, 8.7000, 62.6200

Conversions

Conversions Part 2

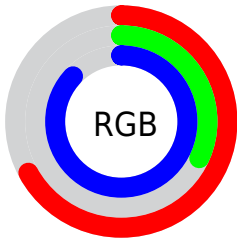
Format	Color
R _{YB}	172, 82, 222
Decimal	11293406
CIE _{Lab}	51.93, 59.40, -56.51
CIE _{LCh}	52, 81.982, 316.429
Yxy	20.0792, 0.2667, 0.1612
Android (android.graphics.Color)	4289483486 (0xFFAC52DE)
YUV	124.8700, 47.8851, 41.3330
Hunter-Lab	44.8098, 53.8965, -62.8840

Details

The RYB color **172, 82, 222** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **82, 222, 172**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **230, 136, 255**, and **115, 24, 166** is the 20% darker color. If you saturate the color by 10%, you get **164, 60, 222**, and if you desaturate by 10%, it is **180, 104, 222**.

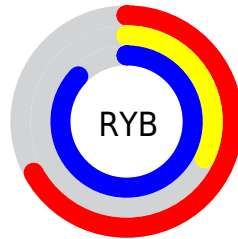
Distribution



Red (67%)

Green (32%)

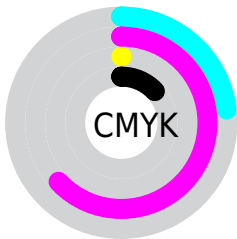
Blue (87%)



Red (67%)

Yellow (32%)

Blue (87%)

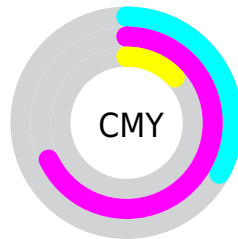


Cyan (23%)

Magenta (63%)

Yellow (0%)

Black (13%)



Cyan (33%)


















Magenta (68%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 82, 222 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 172, 82, 222 by changing the saturation by 10% instead.

 172, 82, 222	 172, 82, 222
 255, 255, 255	 143, 55, 194
 230, 136, 255	 115, 24, 166
 255, 164, 255	 87, 0, 139
 255, 192, 255	 59, 0, 113
 255, 221, 255	 32, 0, 88
 255, 250, 255	 0, 0, 63
	 0, 3, 40
	 0, 1, 18
	 0, 0, 0

172, 82, 222

172, 82, 222

164, 60, 222

180, 104, 222

156, 38, 222

188, 126, 222

148, 15, 222

196, 149, 222

143, 0, 222

204, 171, 222

212, 193, 222

220, 215, 222

222, 237, 231

222, 255, 242

222, 255, 234

Harmonies

Analogous

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



0, 82, 255



172, 82, 222



230, 26, 159

Triad

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



172, 82, 222



108, 176, 0



0, 79, 162

Complementary

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



172, 82, 222



82, 222, 172

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, 95, 151



172, 82, 222



0, 132, 17

Square

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



172, 82, 222



222, 92, 15



0, 145, 145



0, 90, 225

Rectangle

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



172, 82, 222



243, 0, 112



0, 145, 145



0, 80, 153

Sweetspot

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



172, 82, 222



238, 207, 255



82, 119, 222



117, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 82, 222



186, 61, 255



222, 82, 203



108, 101, 112



113, 0, 176



31, 0, 48

Inverse Universe

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



222, 82, 132



255, 61, 130



82, 205, 222



112, 101, 105



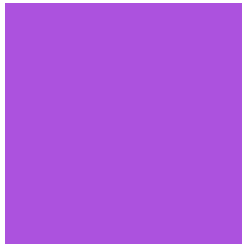
176, 0, 63



48, 0, 17

Previews

White Background



This preview shows how the RYB color 172, 82, 222 looks on a white background.

Color Contrast Check

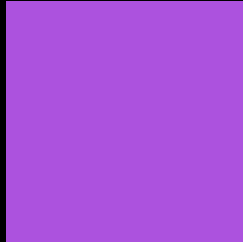
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 82, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

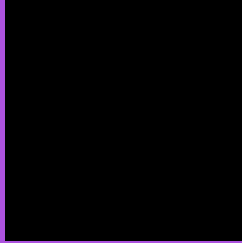
Any Text WCAG AA ✓ Pass

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](#).

RYP 172, 82, 222 Background



This preview shows how black text looks on a background with the RYB color 172, 82, 222.

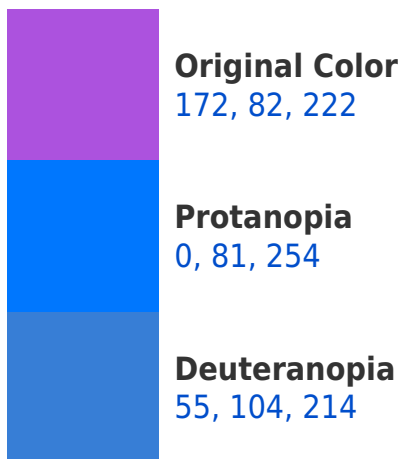


This preview shows how white text looks on a background with the RYB color 172, 82, 222.

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
156, 112, 120

Trichromacy



Original Color

172, 82, 222



Protanomaly

63, 98, 242



Deuteranomaly

98, 108, 217



Tritanomaly

162, 101, 157

Monochromacy



Original Color

172, 82, 222



Achromatopsia

125, 125, 125



Achromatomaly

142, 109, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 82, 222 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(172, 82, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 82, 222)  
}
```

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(172, 82, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 82, 222) }
```

Border

The CSS property to change the border of an element to RYB 172, 82, 222 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(172, 82, 222) }
```

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

```
.border{ border-color:rgb(172, 82, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 82, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 82, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 82, 222);  
box-shadow:4px 4px 4px 4px rgb(172, 82,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 172, 82, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 82, 222) }
```

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

```
.background{ background-color: rgb(172, 82,  
222) }
```

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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