Converting Colors

RYB(172, 123, 221)

Have a look what the booklet for RYB(172, 123, 221) contains.

Color

RYB(172, 123, 221)

Conversions

Conversions Part 1

Format	Color
Hex	AC7BDD
RGB	172, 123, 221
RGB Percent	67%, 48%, 87%
CMY	0.3255, 0.5176, 0.1333
CMYK	0.22, 0.44, 0.00, 0.13
HSL	270°, 59%, 67%
HSV	270°, 44%, 87%
XYZ	37.1474, 28.1570, 71.8836
YIQ	148.8230, -2.2540, 40.8660

Conversions

Conversions Part 2

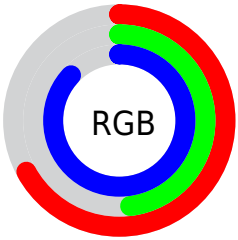
Format	Color
RYB	172, 123, 221
Decimal	11303901
CIELab	60.03, 37.85, -43.06
CIELCh	60, 57.332, 311.314
Yxy	28.1570, 0.2708, 0.2052
Android (android.graphics.Color)	4289493981 (0xFFAC7BDD)
YUV	148.8230, 35.5833, 20.3262
Hunter-Lab	53.0632, 32.0999, -43.1747

Details

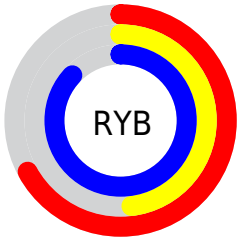
The RYB color 172, 123, 221 is a light color, and the websafe version is hex 9966CC. A complement of this color would be 123, 221, 172, and the grayscale version is 148, 148, 148.

A 20% lighter version of the original color is 229, 176, 255, and 117, 73, 165 is the 20% darker color. If you saturate the color by 10%, you get 161, 101, 221, and if you desaturate by 10%, it is 183, 145, 221.

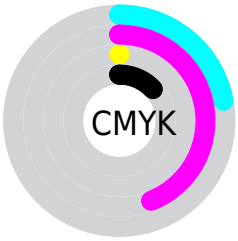
Distribution



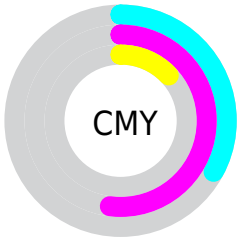
- Red (67%)
- Green (48%)
- Blue (87%)



- Red (67%)
- Yellow (48%)
- Blue (87%)



- Cyan (22%)
- Magenta (44%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 123, 221 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, 123, 221 by changing the saturation by 10% instead.

172, 123, 221	172, 123, 221
255, 255, 255	144, 97, 193
229, 176, 255	117, 73, 165
255, 204, 255	91, 49, 139
255, 233, 255	65, 25, 113
	38, 0, 88
	18, 0, 64
	0, 3, 41
	0, 1, 19
	0, 0, 0

172, 123, 221	172, 123, 221
161, 101, 221	183, 145, 221
150, 79, 221	194, 167, 221
139, 57, 221	205, 189, 221
128, 35, 221	216, 211, 221
117, 12, 221	221, 234, 228
111, 0, 221	221, 255, 238
	221, 255, 227
	221, 255, 221

Harmonies

Analogous

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

80, 126, 244

172, 123, 221

220, 103, 178

Triad

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

172, 123, 221

160, 197, 44

0, 86, 169

Complementary

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

172, 123, 221

123, 221, 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, 101, 167

172, 123, 221

39, 153, 34

Square

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

172, 123, 221

227, 118, 80

64, 160, 126

0, 93, 210

Rectangle

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

172, 123, 221

234, 97, 145

64, 160, 126

0, 91, 169

Sweetspot

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

172, 123, 221

238, 222, 255

123, 156, 221

117, 107, 128

0, 0, 0

128, 128, 128

Same Dimension

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

172, 123, 221

187, 120, 255

221, 123, 221

104, 99, 110

87, 0, 173

23, 0, 46

Inverse Universe

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

221, 123, 172

255, 120, 187

123, 221, 221

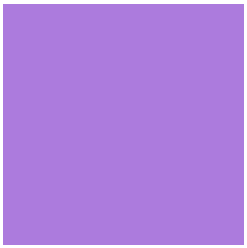
110, 99, 104

173, 0, 87

46, 0, 23

Previews

White Background

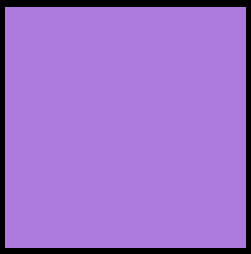


This preview shows how the RYB color 172, 123, 221 looks on a white background.

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



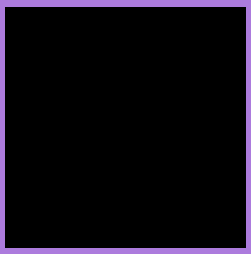
This preview shows how the RYB color 172, 123, 221 looks on a black background.

Color Contrast Check

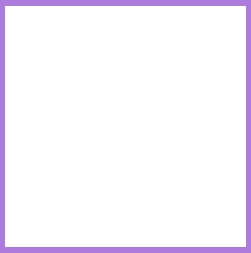
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 172, 123, 221 Background



This preview shows how black text looks on a background with the RYB color 172, 123, 221.

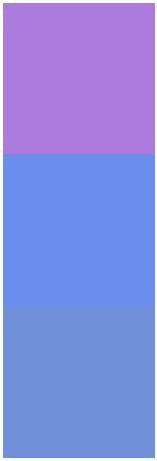


This preview shows how white text looks on a background with the RYB color 172, 123, 221.

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



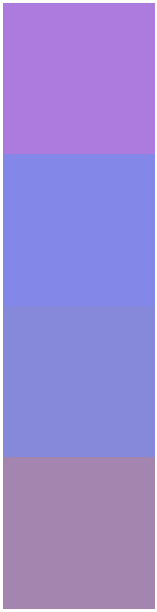
Original Color
172, 123, 221

Protanopia
106, 134, 238

Deuteranopia
112, 137, 217

Tritanopia
160, 139, 150

Trichromacy



Original Color
172, 123, 221

Protanomaly
130, 135, 232

Deuteranomaly
134, 136, 218

Tritanomaly
164, 133, 176

Monochromacy

Original Color
172, 123, 221

Achromatopsia
149, 149, 149

Achromatomaly
157, 140, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 123, 221 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, 123, 221) looks like.

```
.text, #text, p{
    color:rgb(172, 123, 221)
}
```

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, 123, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 123, 221) }
```

Border

The CSS property to change the border of an element to RYB 172, 123, 221 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, 123, 221) }
```

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

```
.border{ border-color:rgb(172, 123, 221) }
```

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

Here you see how a box with a 4 pixel rgb(172, 123, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 123, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 123, 221); box-shadow:4px 4px 4px 4px rgb(172, 123, 221) }
```

Background

The CSS property to change the background color of an element to RYB 172, 123, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(172, 123, 221) }
```

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

```
.background{ background-color:rgb(172,
123, 221) }
```

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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