

Converting Colors

`RYB(172, 120, 176)`

Have a look what the booklet for
RYB(172, 120, 176) contains.

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Color

R_YB(172, 120, 176)

Conversions

Conversions Part 1

Format	Color
Hex	AC78B0
RGB	172, 120, 176
RGB Percent	67%, 47%, 69%
CMY	0.3255, 0.5294, 0.3098
CMYK	0.02, 0.32, 0.00, 0.31
HSL	296°, 26%, 58%
HSV	296°, 32%, 69%
XYZ	31.5662, 25.3382, 44.3013
YIQ	141.9320, 13.0160, 28.4400

Conversions

Conversions Part 2

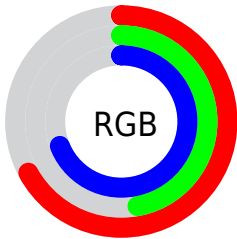
Format	Color
RYB	172, 120, 176
Decimal	11303088
CIELab	57.40, 29.86, -21.64
CIElCh	57, 36.880, 324.067
Yxy	25.3382, 0.3119, 0.2504
Android (android.graphics.Color)	4289493168 (0xFFAC78B0)
YUV	141.9320, 16.7955, 26.3696
Hunter-Lab	50.3371, 23.8469, -16.9448

Details

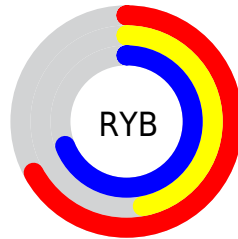
The RYB color **172, 120, 176** is a light color, and the websafe version is hex **996699**. A complement of this color would be **120, 176, 172**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **228, 173, 232**, and **119, 70, 123** is the 20% darker color. If you saturate the color by 10%, you get **171, 102, 176**, and if you desaturate by 10%, it is **173, 138, 176**.

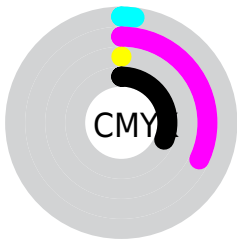
Distribution



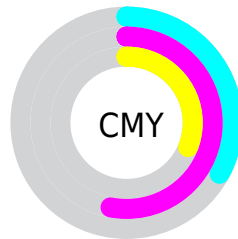
- Red (67%)
- Green (47%)
- Blue (69%)



- Red (67%)
- Yellow (47%)
- Blue (69%)



- Cyan (2%)
- Magenta (32%)
- Yellow (0%)
- Black (31%)




- Cyan (33%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 120, 176 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, 120, 176 by changing the saturation by 10% instead.


 172, 120, 176

255, 255, 255

 228, 173, 232


 255, 201, 255

 255, 229, 255

 172, 120, 176

 145, 95, 149

 119, 70, 123

 93, 47, 98

 69, 24, 74

 45, 1, 51

 23, 0, 30

 0, 0, 0

 172, 120, 176


 171, 102, 176


 172, 120, 176

 173, 138, 176

 169, 85, 176


 175, 155, 176

 168, 67, 176

 176, 173, 176

 167, 50, 176

 176, 190, 189

 166, 32, 176

 176, 208, 206

 164, 14, 176

 176, 226, 222

 163, 0, 176

 176, 243, 238

 176, 255, 249

 176, 255, 248

Harmonies

Analogous

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



131, 132, 197



172, 120, 176



195, 112, 146

Triad

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



172, 120, 176



118, 164, 73



0, 79, 163

Complementary

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



172, 120, 176



120, 176, 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.



43, 105, 154



172, 120, 176



77, 144, 89

Square

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



172, 120, 176



188, 141, 87



94, 146, 151



0, 84, 189

Rectangle

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



172, 120, 176



200, 112, 124



94, 146, 151



0, 78, 155

Sweetspot

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



172, 120, 176



228, 207, 230



120, 125, 176



114, 101, 115



242, 242, 242



115, 115, 115

Same Dimension

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



172, 120, 176



223, 142, 230



176, 120, 153



89, 80, 89



142, 0, 153



24, 0, 26

Inverse Universe

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



176, 120, 124



230, 142, 149



120, 160, 176



89, 80, 81



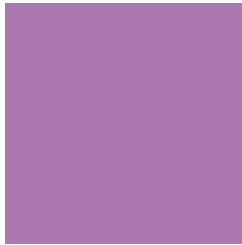
153, 0, 11



26, 0, 2

Previews

White Background



This preview shows how the RYB color 172, 120, 176 looks on a white background.

Color Contrast Check

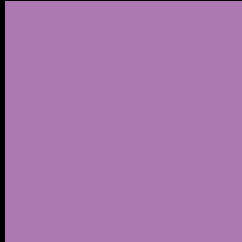
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

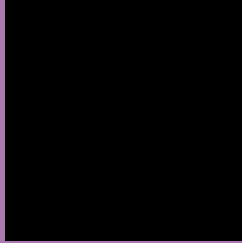
Any Text WCAG AA ✓ Pass

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, 120, 176 Background



This preview shows how black text looks on a background with the RYB color 172, 120, 176.



This preview shows how white text looks on a background with the RYB color 172, 120, 176.

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, 120, 176

Protanopia
123, 134, 188

Deuteranopia
134, 135, 173



Tritanopia
167, 128, 137

Trichromacy



Original Color
172, 120, 176

Protanomaly
141, 130, 184

Deuteranomaly
148, 130, 174

Tritanomaly
169, 125, 151

Monochromacy



Original Color
172, 120, 176

Achromatopsia
142, 142, 142

Achromatomaly
153, 134, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 120, 176 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, 120, 176)` looks like.

```
.text, #text, p{  
    color:rgb(172, 120, 176)  
}
```

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, 120, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 120, 176) }
```

Border

The CSS property to change the border of an element to RYB 172, 120, 176 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, 120, 176) }
```

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

```
.border{ border-color:rgb(172, 120, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 120, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 120, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 120, 176);  
box-shadow:4px 4px 4px 4px rgb(172, 120,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 172, 120, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 120, 176) }
```

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

```
.background{ background-color: rgb(172,  
120, 176) }
```

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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