

Converting Colors

`RYB(170, 120, 184)`

Have a look what the booklet for RYB(170, 120, 184) contains.

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Color

$\text{RYB}(170, 120, 184)$

Conversions

Conversions Part 1

Format	Color
Hex	AA78B8
RGB	170, 120, 184
RGB Percent	67%, 47%, 72%
CMY	0.3333, 0.5294, 0.2784
CMYK	0.08, 0.35, 0.00, 0.28
HSL	287°, 31%, 60%
HSV	287°, 35%, 72%
XYZ	31.9458, 25.4397, 48.5740
YIQ	142.2460, 9.2560, 30.5040

Conversions

Conversions Part 2

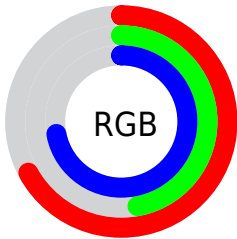
Format	Color
RYB	170, 120, 184
Decimal	11172024
CIELab	57.50, 30.82, -26.09
CIELCh	58, 40.384, 319.751
Yxy	25.4397, 0.3015, 0.2401
Android (android.graphics.Color)	4289362104 (0xFFAA78B8)
YUV	142.2460, 20.5847, 24.3403
Hunter-Lab	50.4378, 24.7904, -21.7927

Details

The RYB color **170, 120, 184** is a light color, and the websafe version is hex **996699**. A complement of this color would be **120, 184, 170**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **226, 173, 240**, and **117, 70, 131** is the 20% darker color. If you saturate the color by 10%, you get **166, 102, 184**, and if you desaturate by 10%, it is **174, 138, 184**.

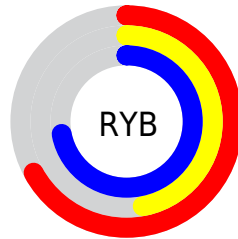
Distribution



Red (67%)

Green (47%)

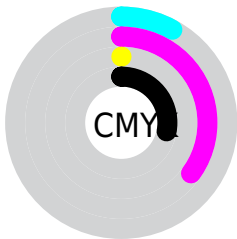
Blue (72%)



Red (67%)

Yellow (47%)

Blue (72%)

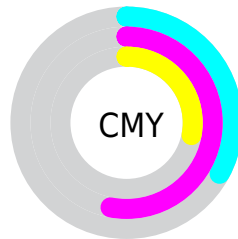


Cyan (8%)

Magenta (35%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (53%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 120, 184 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 170, 120, 184 by changing the saturation by 10% instead.

 170, 120, 184

255, 255, 255

 226, 173, 240

 255, 201, 255

 255, 229, 255

 170, 120, 184

 143, 95, 157

 117, 70, 131

 91, 47, 105

 67, 24, 81

 43, 1, 58

 21, 0, 36

 0, 0, 11

 0, 0, 0

 170, 120, 184


 170, 120, 184


 166, 102, 184

 174, 138, 184

 162, 83, 184


 178, 157, 184

 158, 65, 184


 182, 175, 184

 154, 46, 184

 184, 194, 192

 150, 28, 184

 184, 212, 206

 146, 10, 184

 184, 230, 220

 144, 0, 184

 184, 249, 235

 184, 255, 237

 184, 255, 233

Harmonies

Analogous

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



122, 132, 204



170, 120, 184



198, 110, 152

Triad

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



170, 120, 184



129, 170, 68



0, 79, 161

Complementary

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



170, 120, 184



120, 184, 170

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.



35, 105, 156



170, 120, 184



69, 143, 76

Square

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



170, 120, 184



195, 133, 86



91, 151, 146



0, 85, 191

Rectangle

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



170, 120, 184



205, 109, 128



91, 151, 146



0, 80, 156

Sweetspot

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



170, 120, 184



234, 216, 240



120, 132, 184



117, 105, 120



247, 247, 247



120, 120, 120

Same Dimension

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



170, 120, 184



218, 139, 240



184, 120, 167



90, 83, 92



122, 0, 156



22, 0, 28

Inverse Universe

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



184, 120, 134



240, 139, 161



120, 171, 184



92, 83, 85



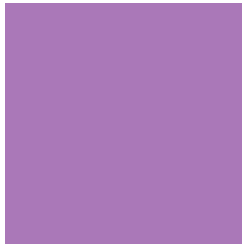
156, 0, 34



28, 0, 6

Previews

White Background



This preview shows how the RYB color 170, 120, 184 looks on a white background.

Color Contrast Check

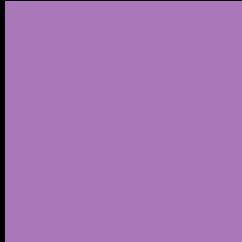
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 120, 184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

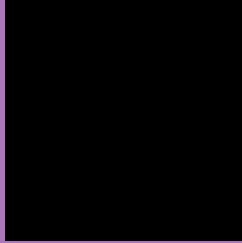
Any Text WCAG AA ✓ Pass

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 170, 120, 184 Background



This preview shows how black text looks on a background with the RYB color 170, 120, 184.

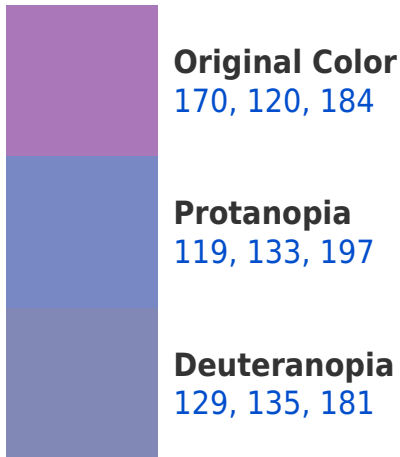


This preview shows how white text looks on a background with the RYB color 170, 120, 184.

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
163, 129, 139

Trichromacy



Original Color
170, 120, 184

Protanomaly
138, 130, 192

Deuteranomaly
144, 130, 182

Tritanomaly
166, 126, 155

Monochromacy



Original Color
170, 120, 184

Achromatopsia
142, 142, 142

Achromatomaly
152, 134, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 120, 184 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(170, 120, 184)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 184)  
}
```

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(170, 120, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 184) }
```

Border

The CSS property to change the border of an element to RYB 170, 120, 184 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(170, 120, 184) }
```

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

```
.border{ border-color:rgb(170, 120, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 120, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 120, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 120, 184);  
box-shadow:4px 4px 4px 4px rgb(170, 120,  
184) }
```

Background

The CSS property to change the background color of an element to RYB 170, 120, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 184) }
```

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

```
.background{ background-color: rgb(170,  
120, 184) }
```

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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