

Converting Colors

RGB(170, 103, 238)

Have a look what the booklet for
RGB(170, 103, 238) contains.

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Color

RGB(170, 103, 238)

Conversions

Conversions Part 1

Format	Color
Hex	AA67EE
RGB	170, 103, 238
RGB Percent	67%, 40%, 93%
CMY	0.3333, 0.5961, 0.0667
CMYK	0.29, 0.57, 0.00, 0.07
HSL	270°, 80%, 67%
HSV	270°, 57%, 93%
XYZ	36.8604, 24.4196, 83.6596
YIQ	138.4230, -3.4030, 56.1890

Conversions

Conversions Part 2

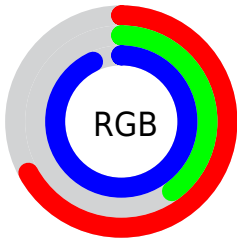
Format	Color
R_{YB}	170, 103, 238
Decimal	11167726
CIE _{Lab}	56.51, 52.10, -58.17
CIE _{LCh}	57, 78.092, 311.848
Yxy	24.4196, 0.2543, 0.1685
Android (android.graphics.Color)	4289357806 (0xFFAA67EE)
YUV	138.4230, 49.0915, 27.6930
Hunter-Lab	49.4162, 46.6681, -65.7843

Details

The RGB color **170, 103, 238** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **171, 238, 103**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **228, 156, 255**, and **113, 51, 181** is the 20% darker color. If you saturate the color by 10%, you get **158, 79, 238**, and if you desaturate by 10%, it is **182, 127, 238**.

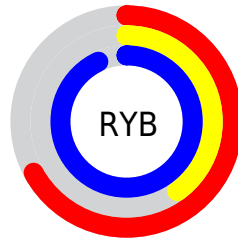
Distribution



Red (67%)

Green (40%)

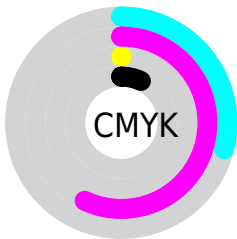
Blue (93%)



Red (67%)

Yellow (40%)

Blue (93%)

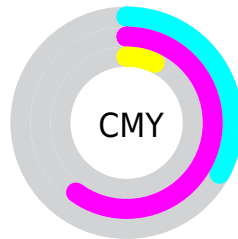


Cyan (29%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (60%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 170, 103, 238 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 RGB color 170, 103, 238 by changing the saturation by 10% instead.

 170, 103, 238


255, 255, 255


 228, 156, 255

 255, 184, 255

 255, 212, 255

 255, 241, 255

 170, 103, 238

 141, 77, 209

 113, 51, 181

 85, 24, 154

 56, 0, 127

 23, 0, 101

 0, 0, 77


 0, 5, 53


 0, 2, 30


 0, 0, 1

 170, 103, 238

 170, 103, 238

 158, 79, 238

 182, 127, 238


 146, 55, 238


 194, 151, 238

 134, 32, 238

 206, 174, 238

 122, 8, 238

 218, 198, 238

 118, 0, 238

 230, 222, 238

 242, 246, 238

 254, 255, 238

 255, 255, 238

Harmonies

Analogous

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



0, 135, 255



170, 103, 238



234, 64, 180

Triad

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



170, 103, 238



197, 117, 0



0, 165, 162

Complementary

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



170, 103, 238



171, 238, 103

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, 163, 90



170, 103, 238



139, 141, 0

Square

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



170, 103, 238



238, 82, 46



56, 155, 2



0, 163, 225

Rectangle

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



170, 103, 238



251, 48, 134



56, 155, 2



0, 165, 138

Sweetspot

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



170, 103, 238



233, 212, 255



103, 173, 238



115, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 103, 238



168, 82, 255



236, 103, 238



114, 108, 120



91, 0, 184



28, 0, 56

Inverse Universe

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



238, 103, 171



255, 82, 169



105, 238, 103



120, 108, 114



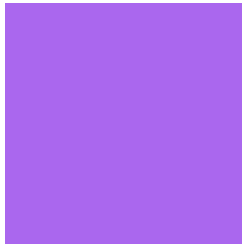
184, 0, 92



56, 0, 28

Previews

White Background



This preview shows how the RGB color 170, 103, 238 looks on a white background.

Color Contrast Check

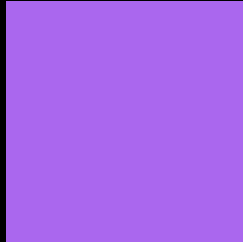
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 170, 103, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

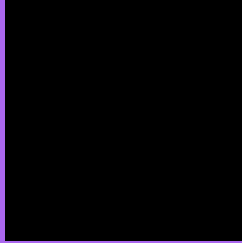
Any Text WCAG AA ✓ Pass

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](#).

RGB 170, 103, 238 Background



This preview shows how black text looks on a background with the RGB color 170, 103, 238.

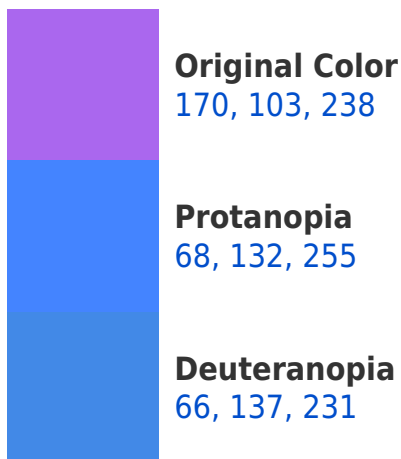


This preview shows how white text looks on a background with the RGB color 170, 103, 238.

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
152, 129, 139

Trichromacy



Original Color

170, 103, 238



Protanomaly

105, 121, 249



Deuteranomaly

104, 125, 234



Tritanomaly

159, 120, 175

Monochromacy



Original Color

170, 103, 238



Achromatopsia

138, 138, 138



Achromatomaly

150, 125, 174

CSS Examples

Text

The CSS property to change the color of the text to RGB 170, 103, 238 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, 103, 238)` looks like.

```
.text, #text, p{  
  color:rgb(170, 103, 238)  
}
```

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, 103, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 103, 238) }
```

Border

The CSS property to change the border of an element to RGB 170, 103, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

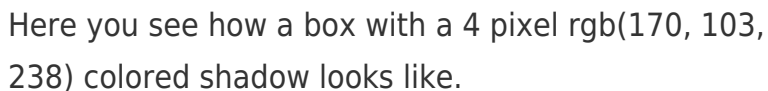
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 103, 238) }
```

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

```
.border{ border-color:rgb(170, 103, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 103, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 103, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 103, 238); box-shadow:4px 4px 4px 4px rgb(170, 103, 238) }
```

Background

The CSS property to change the background color of an element to RGB 170, 103, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 103, 238) }
```

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

```
.background{ background-color: rgb(170,  
103, 238) }
```

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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