

# Converting Colors

RGB(170, 127, 237)

Have a look what the booklet for  
RGB(170, 127, 237) contains.

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# **Color**

**RGB(170, 127, 237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA7FED
RGB	170, 127, 237
RGB Percent	67%, 50%, 93%
CMY	0.3333, 0.5020, 0.0706
CMYK	0.28, 0.46, 0.00, 0.07
HSL	263°, 75%, 71%
HSV	263°, 46%, 93%
XYZ	39.4530, 29.8392, 83.8009
YIQ	152.3970, -9.6820, 43.3260

# Conversions

## Conversions Part 2

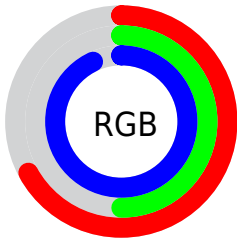
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	170, 127, 237
Decimal	11173869
CIE Lab	61.52, 38.86, -49.64
CIE LCh	62, 63.040, 308.057
Yxy	29.8392, 0.2577, 0.1949
Android (android.graphics.Color)	4289363949 (0xFFAA7FED)
YUV	152.3970, 41.7093, 15.4378
Hunter-Lab	54.6253, 33.3270, -52.7194

# Details

The RGB color **170, 127, 237** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **194, 237, 127**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **227, 181, 255**, and **115, 77, 180** is the 20% darker color. If you saturate the color by 10%, you get **156, 103, 237**, and if you desaturate by 10%, it is **184, 151, 237**.

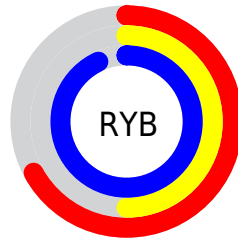
# Distribution



Red (67%)

Green (50%)

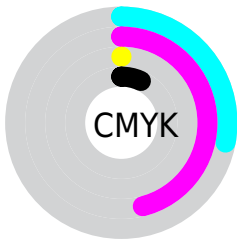
Blue (93%)



Red (67%)

Yellow (50%)

Blue (93%)

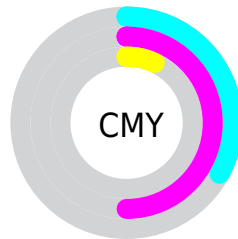


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (50%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 170, 127, 237 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, 127, 237 by changing the saturation by 10% instead.




 170, 127, 237


255, 255, 255

 227, 181, 255

 255, 208, 255

 255, 237, 255


 170, 127, 237

 142, 101, 208

 115, 77, 180

 87, 53, 153

 60, 29, 127

 31, 5, 101

 0, 0, 77

 0, 3, 53

 0, 2, 31

 0, 0, 1

■ 170, 127, 237

■ 170, 127, 237

■ 156, 103, 237

■ 184, 151, 237

■ 141, 80, 237

■ 199, 174, 237

■ 127, 56, 237

■ 213, 198, 237

■ 112, 32, 237

■ 228, 222, 237

■ 98, 9, 237

■ 242, 246, 237

■ 93, 0, 237

■ 255, 255, 237

# Harmonies

## Analogous

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



43, 150, 255



170, 127, 237



227, 103, 191

# Triad

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



170, 127, 237



209, 130, 38



0, 175, 162

# Complementary

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



170, 127, 237



194, 237, 127

# 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, 172, 105



170, 127, 237



163, 151, 17

# Square

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



170, 127, 237



241, 107, 83



103, 164, 53



0, 173, 216

# Rectangle

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



170, 127, 237



245, 94, 155



103, 164, 53



0, 174, 143



# Sweetspot

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



170, 127, 237



233, 219, 255



127, 195, 237



114, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



170, 127, 237



168, 112, 255



224, 127, 237



110, 106, 117



71, 0, 181



21, 0, 54



# Inverse Universe

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



237, 127, 194



255, 112, 199



140, 237, 127



117, 106, 113



181, 0, 110

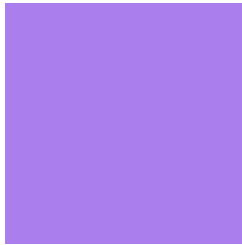


54, 0, 33



# Previews

## White Background



This preview shows how the RGB color 170, 127, 237 looks on a white background.

## Color Contrast Check

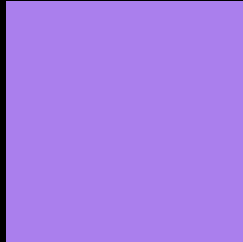
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127, 237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

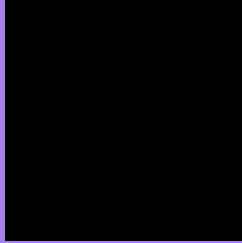
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 170, 127, 237 Background



This preview shows how black text looks on a background with the RGB color 170, 127, 237.

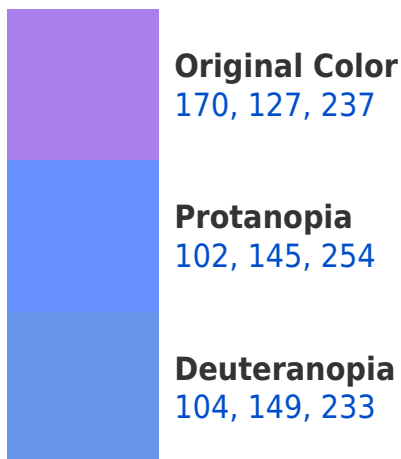


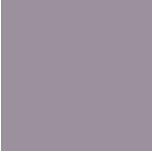
This preview shows how white text looks on a background with the RGB color 170, 127, 237.

# 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**  
155, 145, 157

# Trichromacy



**Original Color**

170, 127, 237



**Protanomaly**

127, 138, 248



**Deuteranomaly**

128, 141, 234



**Tritanomaly**

160, 138, 186

# Monochromacy



**Original Color**

170, 127, 237



**Achromatopsia**

152, 152, 152



**Achromatomaly**

159, 143, 183

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 170, 127, 237 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, 127, 237)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 237)  
}
```

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, 127, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 237) }
```

## Border

The CSS property to change the border of an element to RGB 170, 127, 237 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, 127, 237) }
```

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

```
.border{ border-color:rgb(170, 127, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 127, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 237);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
237) }
```

# Background

The CSS property to change the background color of an element to RGB 170, 127, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 237) }
```

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

```
.background{ background-color: rgb(170,  
127, 237) }
```

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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