

Converting Colors

`RYB(162, 102, 251)`

Have a look what the booklet for
RYB(162, 102, 251) contains.

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Color

R_YB(162, 102, 251)

Conversions

Conversions Part 1

Format	Color
Hex	A266FB
RGB	162, 102, 251
RGB Percent	64%, 40%, 98%
CMY	0.3647, 0.6000, 0.0157
CMYK	0.35, 0.59, 0.00, 0.02
HSL	264°, 95%, 69%
HSV	264°, 59%, 98%
XYZ	37.0642, 24.1492, 93.9745
YIQ	136.9260, -12.0690, 59.0590

Conversions

Conversions Part 2

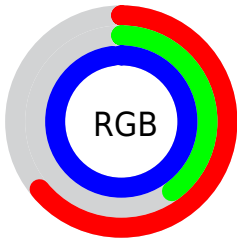
Format	Color
R _Y B	162, 102, 251
Decimal	10643195
CIE Lab	56.24, 53.93, -65.87
CIE LCh	56, 85.133, 309.306
Yxy	24.1492, 0.2388, 0.1556
Android (android.graphics.Color)	4288833275 (0xFFA266FB)
YUV	136.9260, 56.2385, 21.9899
Hunter-Lab	49.1418, 48.6320, -78.9818

Details

The RYB color **162, 102, 251** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **102, 251, 162**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **221, 155, 255**, and **104, 51, 193** is the 20% darker color. If you saturate the color by 10%, you get **147, 77, 251**, and if you desaturate by 10%, it is **177, 127, 251**.

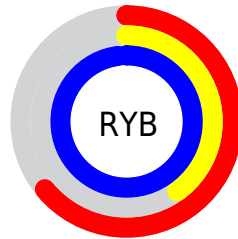
Distribution



Red (64%)

Green (40%)

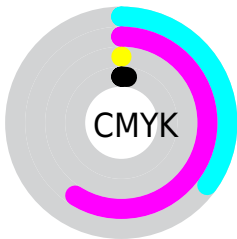
Blue (98%)



Red (64%)

Yellow (40%)

Blue (98%)

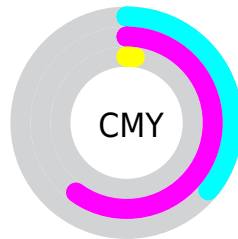


Cyan (35%)

Magenta (59%)

Yellow (0%)

Black (2%)



Cyan (36%)


Magenta (60%)

Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the RYB color 162, 102, 251 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 162, 102, 251 by changing the saturation by 10% instead.

 162, 102, 251


255, 255, 255

 221, 155, 255

 251, 183, 255

 255, 211, 255


 255, 240, 255

 162, 102, 251

 133, 76, 222

 104, 51, 193

 74, 23, 166

 41, 0, 139

 0, 0, 112

 0, 0, 87

 0, 5, 62

 0, 3, 40

 0, 1, 17

■ 162, 102, 251

■ 162, 102, 251

■ 147, 77, 251

■ 177, 127, 251

■ 132, 52, 251

■ 192, 152, 251

■ 117, 27, 251

■ 207, 177, 251

■ 102, 2, 251

■ 222, 202, 251

■ 101, 0, 251

■ 237, 228, 251

■ 251, 253, 252

■ 251, 255, 251

Harmonies

Analogous

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



0, 89, 255



162, 102, 251



237, 51, 189

Triad

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



162, 102, 251



171, 204, 0



0, 85, 166

Complementary

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



162, 102, 251



102, 251, 162

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, 110, 163



162, 102, 251



4, 143, 0

Square

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



162, 102, 251



247, 73, 43



0, 155, 102



0, 96, 228

Rectangle

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



162, 102, 251



255, 15, 140



0, 155, 102



0, 92, 165

Sweetspot

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



162, 102, 251



228, 209, 255



102, 158, 251



111, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



162, 102, 251



147, 74, 255



236, 102, 251



117, 112, 125



76, 0, 189



25, 0, 61

Inverse Universe

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



251, 102, 191



255, 74, 182



102, 251, 236



125, 112, 120



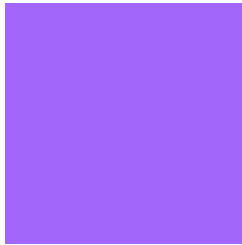
189, 0, 113



61, 0, 37

Previews

White Background



This preview shows how the RYB color 162, 102, 251 looks on a white background.

Color Contrast Check

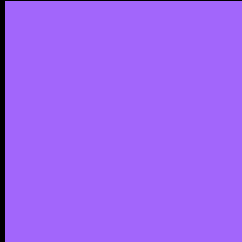
Large Text (above 18pt) WCAG AA ✓ Pass

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 162, 102, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

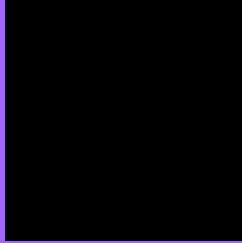
Any Text WCAG AA ✓ Pass

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 162, 102, 251 Background



This preview shows how black text looks on a background with the RYB color 162, 102, 251.

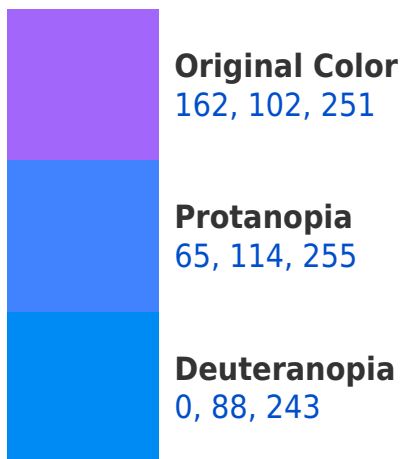


This preview shows how white text looks on a background with the RYB color 162, 102, 251.

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
140, 132, 142

Trichromacy



Original Color

162, 102, 251



Protanomaly

100, 118, 254



Deuteranomaly

59, 107, 246



Tritanomaly

148, 121, 182

Monochromacy



Original Color

162, 102, 251



Achromatopsia

137, 137, 137



Achromatomaly

146, 124, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 102, 251 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(162, 102, 251)` looks like.

```
.text, #text, p{  
  color:rgb(162, 102, 251)  
}
```

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(162, 102, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 102, 251) }
```

Border

The CSS property to change the border of an element to RYB 162, 102, 251 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(162, 102, 251) }
```

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

```
.border{ border-color:rgb(162, 102, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 102, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 102, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 102, 251);  
box-shadow:4px 4px 4px 4px rgb(162, 102,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 162, 102, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 102, 251) }
```

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

```
.background{ background-color: rgb(162,  
102, 251) }
```

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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