

# Converting Colors

`RYB(163, 132, 224)`

Have a look what the booklet for  
RYB(163, 132, 224) contains.

<b>RYB(163, 132, 224)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(163, 132, 224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A384E0
RGB	163, 132, 224
RGB Percent	64%, 52%, 88%
CMY	0.3608, 0.4824, 0.1216
CMYK	0.27, 0.41, 0.00, 0.12
HSL	260°, 60%, 70%
HSV	260°, 41%, 88%
XYZ	36.8101, 29.6709, 74.3080
YIQ	151.7570, -11.0560, 35.1840

# Conversions

## Conversions Part 2

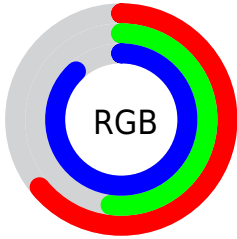
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 132, 224
Decimal	10716384
CIE Lab	61.37, 30.97, -42.69
CIE LCh	61, 52.740, 305.959
Yxy	29.6709, 0.2615, 0.2107
Android (android.graphics.Color)	4288906464 (0xFFA384E0)
YUV	151.7570, 35.6158, 9.8601
Hunter-Lab	54.4710, 25.3014, -42.7523

# Details

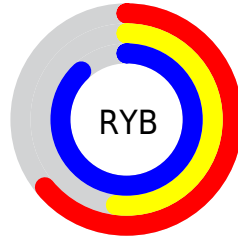
The RYB color **163, 132, 224** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **132, 224, 163**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **220, 185, 255**, and **109, 82, 168** is the 20% darker color. If you saturate the color by 10%, you get **148, 110, 224**, and if you desaturate by 10%, it is **178, 154, 224**.

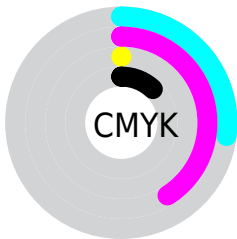
# Distribution



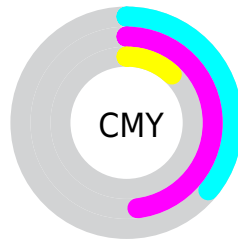
- Red (64%)
- Green (52%)
- Blue (88%)



- Red (64%)
- Yellow (52%)
- Blue (88%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)



- Cyan (36%)
- Magenta (48%)
- Yellow (12%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 163, 132, 224 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 163, 132, 224 by changing the saturation by 10% instead.



 163, 132, 224


255, 255, 255

 220, 185, 255

 249, 213, 255

 255, 242, 255

 163, 132, 224

 136, 107, 196

 109, 82, 168

 82, 58, 141

 56, 36, 115

 29, 14, 90

 3, 0, 67

 0, 3, 43


 0, 1, 22

 0, 0, 0

 163, 132, 224


 163, 132, 224

 148, 110, 224

 178, 154, 224

 133, 87, 224

 193, 177, 224

 118, 65, 224

 208, 199, 224

 104, 42, 224

 222, 222, 224

 89, 20, 224

 224, 244, 231

 75, 0, 224

 224, 255, 227

 224, 255, 224

# Harmonies

## Analogous

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



74, 126, 241



163, 132, 224



212, 114, 187

# Triad

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



163, 132, 224



204, 200, 62



0, 89, 171

# Complementary

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



163, 132, 224



132, 224, 163

# 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.



40, 124, 168



163, 132, 224



68, 165, 49

# Square

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



163, 132, 224



229, 118, 96



68, 161, 113



0, 92, 202

# Rectangle

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



163, 132, 224



229, 107, 156



68, 161, 113



0, 94, 171



# Sweetspot

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



163, 132, 224



235, 224, 255



132, 169, 224



116, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



163, 132, 224



172, 130, 255



209, 132, 224



105, 101, 112



59, 0, 176



16, 0, 48



# Inverse Universe

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



224, 132, 193



255, 130, 213



132, 224, 209



112, 101, 108



176, 0, 117



48, 0, 32



# Previews

## White Background



This preview shows how the RYB color 163, 132, 224 looks on a white background.

## Color Contrast Check

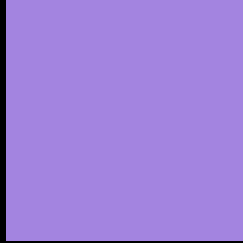
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 132, 224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

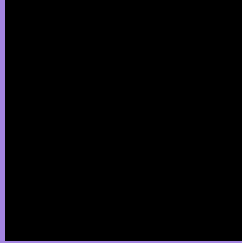
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 163, 132, 224 Background



This preview shows how black text looks on a background with the RYB color 163, 132, 224.



This preview shows how white text looks on a background with the RYB color 163, 132, 224.

# 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**  
163, 132, 224

**Protanopia**  
114, 139, 236

**Deuteranopia**  
116, 140, 221



**Tritanopia**  
150, 146, 158

# Trichromacy



**Original Color**  
163, 132, 224

**Protanomaly**  
132, 139, 232

**Deuteranomaly**  
133, 141, 222

**Tritanomaly**  
155, 141, 182

# Monochromacy



**Original Color**  
163, 132, 224

**Achromatopsia**  
152, 152, 152

**Achromatomaly**  
156, 145, 178

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 163, 132, 224 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(163, 132, 224)` looks like.

```
.text, #text, p{  
  color:rgb(163, 132, 224)  
}
```

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(163, 132, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 132, 224) }
```

## Border

The CSS property to change the border of an element to RYB 163, 132, 224 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(163, 132, 224) }
```

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

```
.border{ border-color:rgb(163, 132, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 132, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 132, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 132, 224);  
box-shadow:4px 4px 4px 4px rgb(163, 132,  
224) }
```

# Background

The CSS property to change the background color of an element to RYB 163, 132, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 132, 224) }
```

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

```
.background{ background-color: rgb(163,  
132, 224) }
```

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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