

# Converting Colors

`RYB(160, 101, 228)`

Have a look what the booklet for  
RYB(160, 101, 228) contains.

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# Color

**`RYB(160, 101, 228)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A065E4
RGB	160, 101, 228
RGB Percent	63%, 40%, 89%
CMY	0.3725, 0.6039, 0.1059
CMYK	0.30, 0.56, 0.00, 0.11
HSL	268°, 70%, 65%
HSV	268°, 56%, 89%
XYZ	33.1545, 22.3824, 75.9716
YIQ	133.1190, -5.6030, 52.0050

# Conversions

## Conversions Part 2

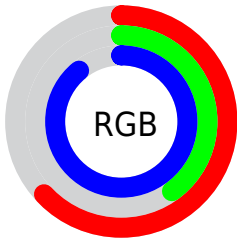
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 101, 228
Decimal	10511844
CIE <sub>Lab</sub>	54.43, 48.39, -55.96
CIE <sub>LCh</sub>	54, 73.978, 310.852
Yxy	22.3824, 0.2521, 0.1702
Android (android.graphics.Color)	4288701924 (0xFFA065E4)
YUV	133.1190, 46.7763, 23.5746
Hunter-Lab	47.3100, 42.2988, -62.0923

# Details

The RYB color **160, 101, 228** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **101, 228, 160**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **218, 154, 255**, and **104, 50, 172** is the 20% darker color. If you saturate the color by 10%, you get **148, 78, 228**, and if you desaturate by 10%, it is **172, 124, 228**.

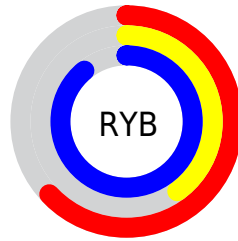
# Distribution



Red (63%)

Green (40%)

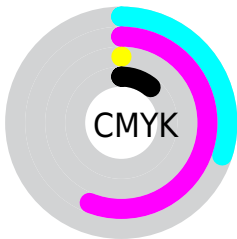
Blue (89%)



Red (63%)

Yellow (40%)

Blue (89%)

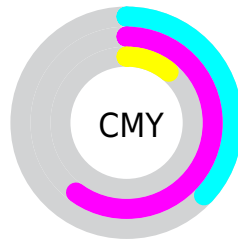


Cyan (30%)

Magenta (56%)

Yellow (0%)

Black (11%)



Cyan (37%)

Magenta (60%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 160, 101, 228 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 160, 101, 228 by changing the saturation by 10% instead.



 160, 101, 228


255, 255, 255

 218, 154, 255

 247, 181, 255

 255, 209, 255

 255, 238, 255

 160, 101, 228

 132, 76, 200

 104, 50, 172

 76, 24, 145

 47, 0, 118

 12, 0, 93


 0, 0, 68


 0, 3, 45


 0, 1, 23

 0, 0, 0

 160, 101, 228


 160, 101, 228

 148, 78, 228


 172, 124, 228

 136, 55, 228

 184, 147, 228


 123, 33, 228

 197, 169, 228

 111, 10, 228

 209, 192, 228

 106, 0, 228

 221, 215, 228

 228, 238, 233

 228, 255, 238

 228, 255, 228

# Harmonies

## Analogous

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



0, 87, 255



160, 101, 228



222, 65, 174

# Triad

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



160, 101, 228



132, 190, 0



0, 80, 158

# Complementary

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



160, 101, 228



101, 228, 160

# 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, 101, 156



160, 101, 228



1, 136, 0

# Square

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



160, 101, 228



228, 87, 48



6, 149, 94



0, 90, 213

# Rectangle

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



160, 101, 228



239, 51, 131



6, 149, 94



0, 87, 158



# Sweetspot

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



160, 101, 228



232, 212, 255



101, 146, 228



114, 102, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



160, 101, 228



164, 84, 255



222, 101, 228



109, 103, 115



83, 0, 179



24, 0, 51



# Inverse Universe

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



228, 101, 169



255, 84, 176



101, 228, 222



115, 103, 109



179, 0, 96

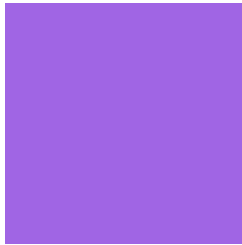


51, 0, 27



# Previews

## White Background



This preview shows how the RYB color 160, 101, 228 looks on a white background.

## Color Contrast Check

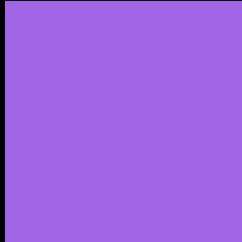
Large Text (above 18pt) WCAG AA ✓ Pass

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 160, 101, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

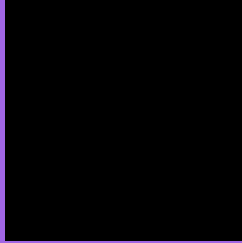
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 160, 101, 228 Background



This preview shows how black text looks on a background with the RYB color 160, 101, 228.

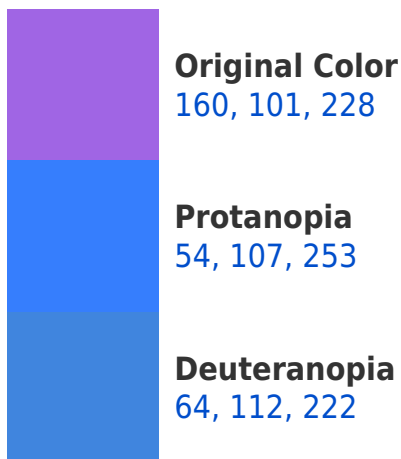


This preview shows how white text looks on a background with the RYB color 160, 101, 228.

# 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**  
143, 125, 135

# Trichromacy



**Original Color**

160, 101, 228



**Protanomaly**

93, 114, 244



**Deuteranomaly**

99, 118, 224



**Tritanomaly**

149, 116, 169

# Monochromacy



**Original Color**

160, 101, 228



**Achromatopsia**

133, 133, 133



**Achromatomaly**

143, 121, 168

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 160, 101, 228 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(160, 101, 228)` looks like.

```
.text, #text, p{  
    color:rgb(160, 101, 228)  
}
```

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(160, 101, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 101, 228) }
```

## Border

The CSS property to change the border of an element to RYB 160, 101, 228 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(160, 101, 228) }
```

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

```
.border{ border-color:rgb(160, 101, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 101, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 101, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 101, 228);  
box-shadow:4px 4px 4px 4px rgb(160, 101,  
228) }
```

# Background

The CSS property to change the background color of an element to RYB 160, 101, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 101, 228) }
```

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

```
.background{ background-color: rgb(160,  
101, 228) }
```

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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