

Converting Colors

`RYB(160, 101, 172)`

Have a look what the booklet for
RYB(160, 101, 172) contains.

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Color

R_YB(160, 101, 172)

Conversions

Conversions Part 1

Format	Color
Hex	A065AC
RGB	160, 101, 172
RGB Percent	63%, 40%, 67%
CMY	0.3725, 0.6039, 0.3255
CMYK	0.07, 0.41, 0.00, 0.33
HSL	290°, 30%, 54%
HSV	290°, 41%, 67%
XYZ	26.5973, 19.7595, 41.4419
YIQ	126.7350, 12.3730, 34.5890

Conversions

Conversions Part 2

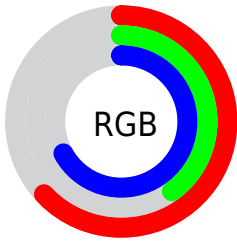
Format	Color
R _Y B	160, 101, 172
Decimal	10511788
CIE Lab	51.56, 35.82, -28.45
CIE LCh	52, 45.741, 321.539
Yxy	19.7595, 0.3029, 0.2251
Android (android.graphics.Color)	4288701868 (0xFFA065AC)
YUV	126.7350, 22.3156, 29.1734
Hunter-Lab	44.4517, 29.0136, -24.1593

Details

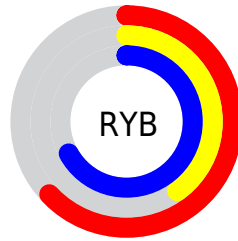
The RYB color **160, 101, 172** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **101, 172, 160**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **216, 153, 228**, and **107, 52, 119** is the 20% darker color. If you saturate the color by 10%, you get **157, 84, 172**, and if you desaturate by 10%, it is **163, 118, 172**.

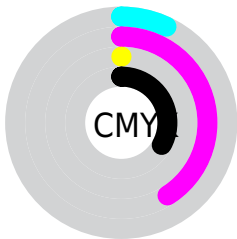
Distribution



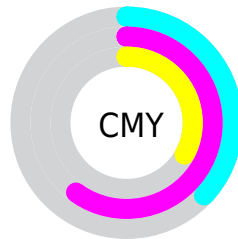
- Red (63%)
- Green (40%)
- Blue (67%)



- Red (63%)
- Yellow (40%)
- Blue (67%)



- Cyan (7%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)




- Cyan (37%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 101, 172 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, 172 by changing the saturation by 10% instead.

 160, 101, 172

255, 255, 255

 216, 153, 228

 245, 180, 255

 255, 208, 255

 255, 237, 255

 160, 101, 172


 133, 76, 145

 107, 52, 119


 82, 28, 94

 57, 1, 70


 36, 0, 48

 0, 1, 26


 0, 0, 0

 160, 101, 172


 157, 84, 172

 160, 101, 172


 163, 118, 172


 154, 67, 172


 166, 135, 172


 151, 49, 172

 169, 153, 172

 148, 32, 172

 172, 170, 172

 145, 15, 172

 172, 187, 184

 143, 0, 172

 172, 204, 199

 172, 221, 213

 172, 239, 228

 172, 255, 241

Harmonies

Analogous

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



106, 116, 196



160, 101, 172



189, 89, 136

Triad

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



160, 101, 172



97, 154, 42



0, 73, 150

Complementary

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



160, 101, 172



101, 172, 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, 80, 142



160, 101, 172



45, 129, 57

Square

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



160, 101, 172



182, 121, 63



70, 135, 137



0, 79, 183

Rectangle

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



160, 101, 172



195, 88, 109



70, 135, 137



0, 72, 142

Sweetspot

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



160, 101, 172



220, 197, 224



101, 112, 172



110, 96, 112



240, 240, 240



112, 112, 112

Same Dimension

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



160, 101, 172



205, 112, 224



172, 101, 150



85, 78, 87



125, 0, 150



19, 0, 23

Inverse Universe

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



172, 101, 113



224, 112, 131



101, 155, 172



87, 78, 79



150, 0, 25



23, 0, 4

Previews

White Background



This preview shows how the RYB color 160, 101, 172 looks on a white background.

Color Contrast Check

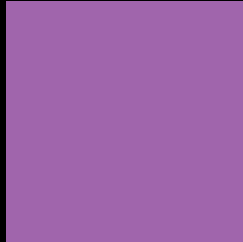
Large Text (above 18pt) WCAG AA ✓ Pass

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, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

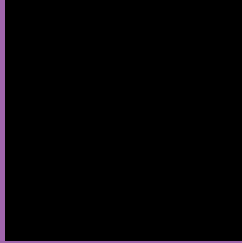
Any Text WCAG AA ✓ Pass

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](#).

R Y B 160, 101, 172 Background



This preview shows how black text looks on a background with the R Y B color 160, 101, 172.

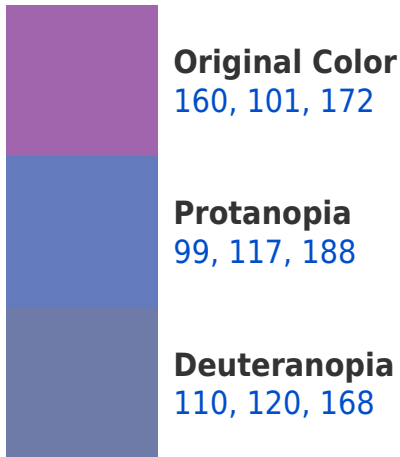


This preview shows how white text looks on a background with the R Y B color 160, 101, 172.

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
153, 112, 121

Trichromacy



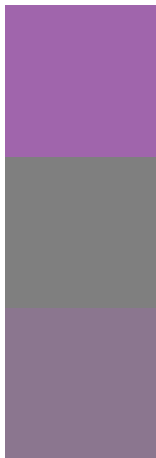
Original Color
160, 101, 172

Protanomaly
121, 114, 182

Deuteranomaly
128, 114, 169

Tritanomaly
156, 108, 140

Monochromacy



Original Color
160, 101, 172

Achromatopsia
127, 127, 127

Achromatomaly
139, 118, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 101, 172 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(160, 101, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 101, 172) }
```

Border

The CSS property to change the border of an element to RYB 160, 101, 172 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, 172) }
```

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

```
.border{ border-color:rgb(160, 101, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 101, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 101, 172);  
box-shadow:4px 4px 4px 4px rgb(160, 101,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 160, 101, 172 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, 172) }
```

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

```
.background{ background-color: rgb(160,  
101, 172) }
```

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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