

Converting Colors

`RYB(160, 112, 229)`

Have a look what the booklet for
RYB(160, 112, 229) contains.

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Color

R_YB(160, 112, 229)

Conversions

Conversions Part 1

Format	Color
Hex	A070E5
RGB	160, 112, 229
RGB Percent	63%, 44%, 90%
CMY	0.3725, 0.5608, 0.1020
CMYK	0.30, 0.51, 0.00, 0.10
HSL	265°, 69%, 67%
HSV	265°, 51%, 90%
XYZ	34.4342, 24.7191, 77.0851
YIQ	139.6900, -8.9490, 46.5630

Conversions

Conversions Part 2

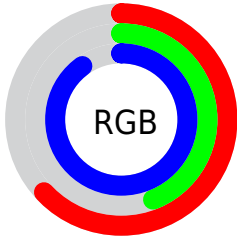
Format	Color
R_{YB}	160, 112, 229
Decimal	10514661
CIE _{Lab}	56.80, 42.64, -52.73
CIE _{LCh}	57, 67.819, 308.962
Y _{xy}	24.7191, 0.2527, 0.1814
Android (android.graphics.Color)	4288704741 (0xFFFA070E5)
YUV	139.6900, 44.0298, 17.8119
Hunter-Lab	49.7183, 36.6198, -57.1227

Details

The RYB color **160, 112, 229** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **112, 229, 160**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **217, 165, 255**, and **104, 62, 173** is the 20% darker color. If you saturate the color by 10%, you get **146, 89, 229**, and if you desaturate by 10%, it is **174, 135, 229**.

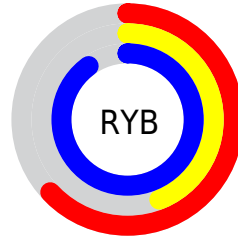
Distribution



Red (63%)

Green (44%)

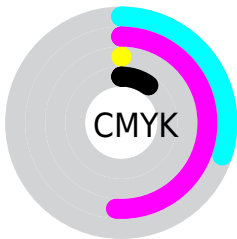
Blue (90%)



Red (63%)

Yellow (44%)

Blue (90%)

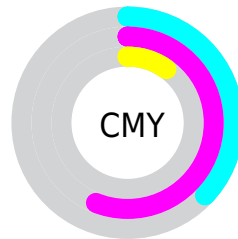


Cyan (30%)

Magenta (51%)

Yellow (0%)

Black (10%)



Cyan (37%)


Magenta (56%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 112, 229 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, 112, 229 by changing the saturation by 10% instead.

 160, 112, 229


255, 255, 255

 217, 165, 255

 247, 192, 255

 255, 221, 255

 255, 249, 255

 160, 112, 229

 132, 87, 201

 104, 62, 173

 77, 38, 146

 49, 13, 119

 14, 0, 94


 0, 0, 70


 0, 4, 46

 0, 1, 24


 0, 0, 0

 160, 112, 229

 160, 112, 229


 146, 89, 229


 174, 135, 229

 133, 66, 229


 187, 158, 229

 119, 43, 229

 201, 181, 229

 106, 20, 229

 214, 204, 229

 94, 0, 229

 228, 227, 229

 229, 249, 237

 229, 255, 229

Harmonies

Analogous

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



0, 89, 254



160, 112, 229



220, 84, 180

Triad

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



160, 112, 229



135, 197, 2



0, 84, 163

Complementary

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



160, 112, 229



112, 229, 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, 102, 160



160, 112, 229



8, 147, 0

Square

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



160, 112, 229



230, 96, 65



31, 153, 102



0, 91, 210

Rectangle

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



160, 112, 229



238, 73, 141



31, 153, 102



0, 90, 163

Sweetspot

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



160, 112, 229



232, 217, 255



112, 156, 229



114, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



160, 112, 229



163, 99, 255



217, 112, 229



108, 103, 115



73, 0, 179



21, 0, 51

Inverse Universe

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



229, 112, 181



255, 99, 191



112, 229, 217



115, 103, 110



179, 0, 105



51, 0, 30

Previews

White Background



This preview shows how the RYB color 160, 112, 229 looks on a white background.

Color Contrast Check

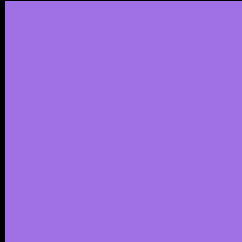
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

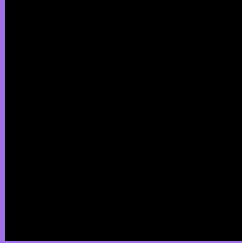
Any Text WCAG AA ✓ Pass

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, 112, 229 Background



This preview shows how black text looks on a background with the RYB color 160, 112, 229.

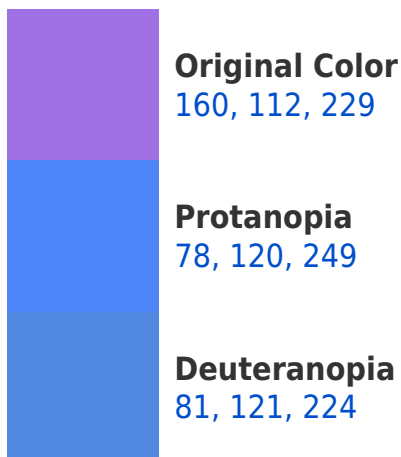


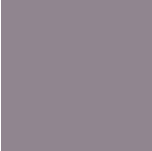
This preview shows how white text looks on a background with the RYB color 160, 112, 229.

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
144, 133, 143

Trichromacy



Original Color

160, 112, 229



Protanomaly

108, 123, 242



Deuteranomaly

110, 126, 226



Tritanomaly

150, 125, 174

Monochromacy



Original Color

160, 112, 229



Achromatopsia

140, 140, 140



Achromatomaly

147, 130, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 112, 229 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, 112, 229)` looks like.

```
.text, #text, p{  
    color:rgb(160, 112, 229)  
}
```

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, 112, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 112, 229) }
```

Border

The CSS property to change the border of an element to RYB 160, 112, 229 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, 112, 229) }
```

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

```
.border{ border-color:rgb(160, 112, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 112, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 112, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 112, 229);  
box-shadow:4px 4px 4px 4px rgb(160, 112,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 160, 112, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 112, 229) }
```

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

```
.background{ background-color: rgb(160,  
112, 229) }
```

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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