

Converting Colors

`RYB(160, 112, 255)`

Have a look what the booklet for RYB(160, 112, 255) contains.

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Color

R_YB(160, 112, 255)

Conversions

Conversions Part 1

Format	Color
Hex	A070FF
RGB	160, 112, 255
RGB Percent	63%, 44%, 100%
CMY	0.3725, 0.5608, 0.0000
CMYK	0.37, 0.56, 0.00, 0.00
HSL	260°, 100%, 72%
HSV	260°, 56%, 100%
XYZ	38.3414, 26.2819, 97.6598
YIQ	142.6540, -17.2950, 54.6490

Conversions

Conversions Part 2

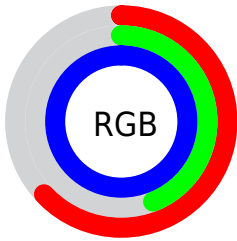
Format	Color
R _Y B	160, 112, 255
Decimal	10514687
CIE _{Lab}	58.30, 49.17, -64.77
CIE _{LCh}	58, 81.316, 307.203
Y _{xy}	26.2819, 0.2363, 0.1620
Android (android.graphics.Color)	4288704767 (0xFFA070FF)
Y _{UV}	142.6540, 55.3866, 15.2124
Hunter-Lab	51.2659, 43.7835, -77.0594

Details

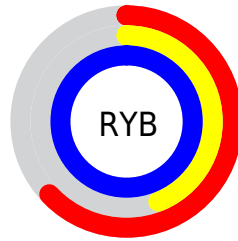
The RYB color **160, 112, 255** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **112, 255, 160**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **219, 165, 255**, and **102, 62, 197** is the 20% darker color. If you saturate the color by 10%, you get **143, 87, 255**, and if you desaturate by 10%, it is **177, 138, 255**.

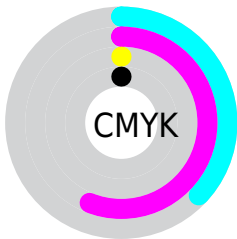
Distribution



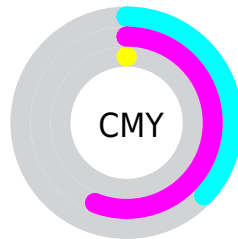
- Red (63%)
- Green (44%)
- Blue (100%)



- Red (63%)
- Yellow (44%)
- Blue (100%)



- Cyan (37%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 112, 255 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, 255 by changing the saturation by 10% instead.

 160, 112, 255


255, 255, 255


 219, 165, 255

 249, 193, 255

 255, 221, 255

 255, 250, 255

 160, 112, 255

 131, 86, 226

 102, 62, 197

 72, 37, 169

 38, 10, 142


 0, 0, 116

 0, 0, 91


 0, 6, 66

 0, 3, 43


 0, 1, 21

 160, 112, 255

 160, 112, 255


 143, 87, 255


 177, 138, 255

 126, 61, 255


 194, 163, 255

 109, 35, 255

 211, 189, 255

 92, 10, 255

 228, 214, 255

 86, 0, 255

 245, 240, 255

255, 255, 255

Harmonies

Analogous

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



0, 92, 255



160, 112, 255



236, 70, 197

Triad

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



160, 112, 255



175, 212, 0



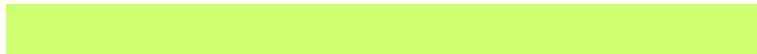
0, 89, 171

Complementary

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



160, 112, 255



112, 255, 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, 113, 168



160, 112, 255



12, 154, 0

Square

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



160, 112, 255



252, 81, 57



0, 159, 84



0, 97, 225

Rectangle

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



160, 112, 255



255, 48, 150



0, 159, 84



0, 96, 170

Sweetspot

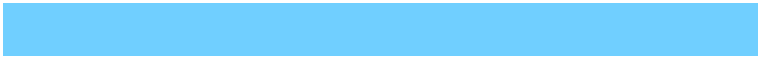
The Sweet Spot groups the original color and five complimentary colors.



160, 112, 255



226, 212, 255



112, 169, 255



111, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



160, 112, 255



141, 84, 255



231, 112, 255



119, 115, 128



64, 0, 191



21, 0, 64

Inverse Universe

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



255, 112, 207



255, 84, 198



112, 255, 231



128, 115, 123



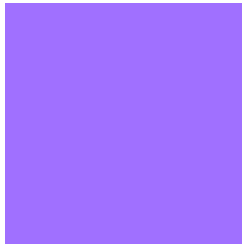
191, 0, 127



64, 0, 42

Previews

White Background



This preview shows how the RYB color 160, 112, 255 looks on a white background.

Color Contrast Check

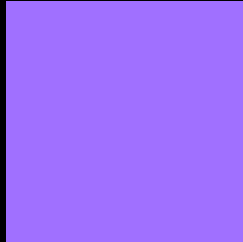
Large Text (above 18pt) WCAG AA ✓ Pass

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, 255 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, 255 Background



This preview shows how black text looks on a background with the RYB color 160, 112, 255.

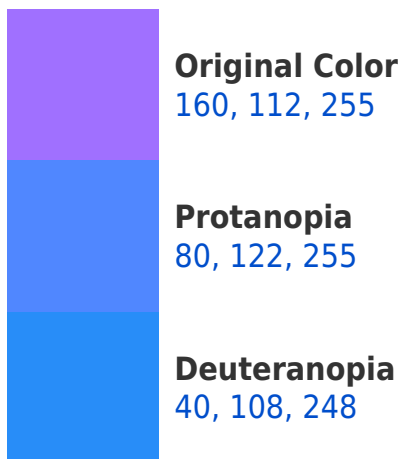



This preview shows how white text looks on a background with the RYB color 160, 112, 255.

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
137, 139, 151

Trichromacy



Original Color

160, 112, 255



Protanomaly

109, 125, 255



Deuteranomaly

84, 121, 251



Tritanomaly

145, 129, 189

Monochromacy



Original Color

160, 112, 255



Achromatopsia

143, 143, 143



Achromatomaly

149, 132, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 112, 255 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 112, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 112, 255) }
```

Border

The CSS property to change the border of an element to RYB 160, 112, 255 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, 255) }
```

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

```
.border{ border-color:rgb(160, 112, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 112,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 160, 112, 255 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, 255) }
```

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

```
.background{ background-color: rgb(160,  
112, 255) }
```

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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