

Converting Colors

`RYB(160, 0, 255)`

Have a look what the booklet for
RYB(160, 0, 255) contains.

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Color

R_YB(160, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	A000FF
RGB	160, 0, 255
RGB Percent	63%, 0%, 100%
CMY	0.3725, 1.0000, 0.0000
CMYK	0.37, 1.00, 0.00, 0.00
HSL	278°, 100%, 50%
HSV	278°, 100%, 100%
XYZ	32.5472, 14.6936, 95.7285
YIQ	76.9100, 13.5050, 113.2250

Conversions

Conversions Part 2

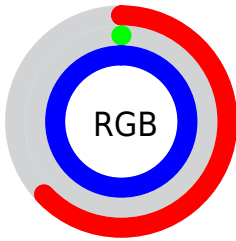
Format	Color
RYB	160, 0, 255
Decimal	10486015
CIELab	45.21, 85.96, -86.06
CIELCh	45, 121.639, 314.968
Yxy	14.6936, 0.2277, 0.1028
Android (android.graphics.Color)	4288676095 (0xFFA000FF)
YUV	76.9100, 87.7984, 72.8699
Hunter-Lab	38.3322, 84.4798, -121.2346

Details

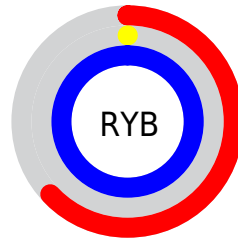
The RYB color **160, 0, 255** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **0, 255, 160**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **222, 88, 255**, and **97, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **160, 0, 255**, and if you desaturate by 10%, it is **169, 25, 255**.

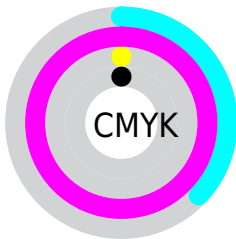
Distribution



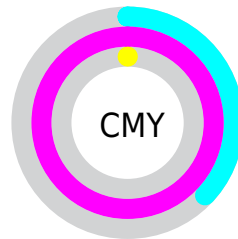
- Red (63%)
- Green (0%)
- Blue (100%)



- Red (63%)
- Yellow (0%)
- Blue (100%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





















- Cyan (37%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the RYB color 160, 0, 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, 0, 255 by changing the saturation by 10% instead.

 160, 0, 255	 160, 0, 255
 255, 255, 255	 129, 0, 226
 222, 88, 255	 97, 0, 197
 253, 119, 255	 62, 0, 169
 255, 148, 255	 12, 0, 141
 255, 178, 255	 0, 0, 114
 255, 207, 255	 0, 0, 89
 255, 237, 255	 0, 6, 64
	 0, 3, 41
	 0, 1, 19


 160, 0, 255


 169, 25, 255

 179, 51, 255

 188, 77, 255

 198, 102, 255

 207, 128, 255

 217, 153, 255

 226, 179, 255

 236, 204, 255

 245, 230, 255

Harmonies

Analogous

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



0, 76, 255



160, 0, 255



251, 0, 163

Triad

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



160, 0, 255



171, 161, 0



0, 75, 158

Complementary

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



160, 0, 255



0, 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, 102, 138



160, 0, 255



0, 119, 37

Square

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



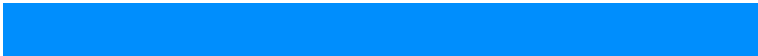
160, 0, 255



235, 0, 0



0, 133, 133



0, 91, 253

Rectangle

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



160, 0, 255



255, 0, 96



0, 133, 133



0, 75, 140

Sweetspot

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



160, 0, 255



226, 179, 255



0, 71, 255



110, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



160, 0, 255



255, 0, 225



123, 115, 128



120, 0, 191



40, 0, 64

Inverse Universe

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



255, 0, 95



0, 228, 255



128, 115, 120



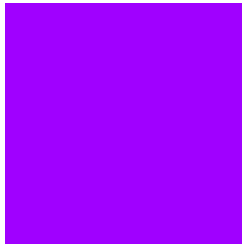
191, 0, 71



64, 0, 24

Previews

White Background



This preview shows how the RYB color 160, 0, 255 looks on a white background.

Color Contrast Check

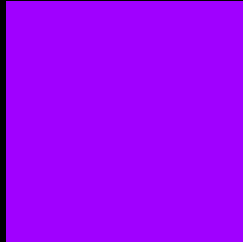
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 160, 0, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

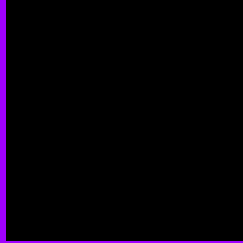
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 160, 0, 255 Background



This preview shows how black text looks on a background with the R Y B color 160, 0, 255.



This preview shows how white text looks on a background with the R Y B color 160, 0, 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



Original Color
160, 0, 255

Protanopia
0, 71, 220

Deuteranopia
0, 70, 190



Tritanopia
131, 100, 107

Trichromacy



Original Color

160, 0, 255



Protanomaly

58, 67, 233



Deuteranomaly

58, 70, 214



Tritanomaly

142, 64, 161

Monochromacy



Original Color

160, 0, 255



Achromatopsia

77, 77, 77



Achromatomaly

107, 49, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 0, 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 255) }
```

Border

The CSS property to change the border of an element to RYB 160, 0, 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, 0, 255) }
```

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

```
.border{ border-color:rgb(160, 0, 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, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 160, 0, 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, 0, 255) }
```

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

```
.background{ background-color: rgb(160, 0,  
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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