

Converting Colors

`RYB(161, 31, 242)`

Have a look what the booklet for
RYB(161, 31, 242) contains.

RYB(161, 31, 242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(161, 31, 242)

Conversions

Conversions Part 1

Format	Color
Hex	A11FF2
RGB	161, 31, 242
RGB Percent	63%, 12%, 95%
CMY	0.3686, 0.8784, 0.0510
CMYK	0.33, 0.87, 0.00, 0.05
HSL	277°, 89%, 54%
HSV	277°, 87%, 95%
XYZ	31.2149, 14.9678, 85.2483
YIQ	93.9240, 9.7490, 93.1810

Conversions

Conversions Part 2

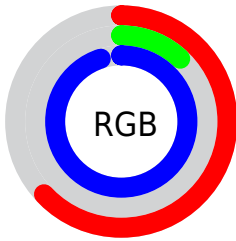
Format	Color
R_{YB}	161, 31, 242
Decimal	10559474
CIE _{Lab}	45.59, 79.49, -78.14
CIE _{LCh}	46, 111.470, 315.490
Yxy	14.9678, 0.2375, 0.1139
Android (android.graphics.Color)	4288749554 (0xFFA11FF2)
YUV	93.9240, 73.0015, 58.8257
Hunter-Lab	38.6883, 76.3149, -103.5616

Details

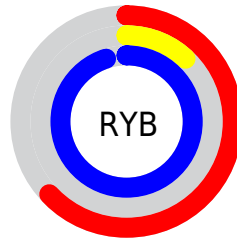
The RYB color **161, 31, 242** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **31, 242, 161**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **222, 98, 255**, and **100, 0, 184** is the 20% darker color. If you saturate the color by 10%, you get **152, 7, 242**, and if you desaturate by 10%, it is **170, 55, 242**.

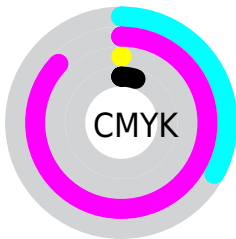
Distribution



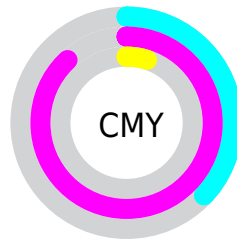
- Red (63%)
- Green (12%)
- Blue (95%)



- Red (63%)
- Yellow (12%)
- Blue (95%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)



- Cyan (37%)
- Magenta (88%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 161, 31, 242 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 161, 31, 242 by changing the saturation by 10% instead.



161, 31, 242



161, 31, 242

255, 255, 255



131, 0, 213



222, 98, 255



100, 0, 184



253, 127, 255



68, 0, 157



255, 156, 255



30, 0, 130



255, 185, 255



0, 0, 103



255, 214, 255



0, 0, 78



255, 244, 255



0, 5, 54



0, 2, 32



0, 0, 4

■ 161, 31, 242

■ 161, 31, 242

■ 152, 7, 242

■ 170, 55, 242

■ 149, 0, 242

■ 180, 79, 242

■ 189, 104, 242

■ 198, 128, 242

■ 207, 152, 242

■ 217, 176, 242

■ 226, 200, 242

■ 235, 225, 242

■ 242, 249, 246

Harmonies

Analogous

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



0, 75, 255



161, 31, 242



242, 0, 157

Triad

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



161, 31, 242



156, 168, 0



0, 74, 156

Complementary

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



161, 31, 242



31, 242, 161

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, 98, 138



161, 31, 242



0, 119, 33

Square

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



161, 31, 242



227, 0, 0



0, 133, 133



0, 90, 243

Rectangle

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



161, 31, 242



255, 0, 96



0, 133, 133



0, 74, 140

Sweetspot

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



161, 31, 242



230, 189, 255



31, 91, 242



112, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



161, 31, 242



157, 0, 255



242, 31, 221



115, 108, 120



113, 0, 184



35, 0, 56

Inverse Universe

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



242, 31, 112



255, 0, 98



31, 223, 242



120, 108, 112



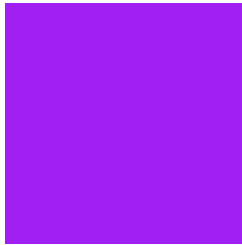
184, 0, 70



56, 0, 22

Previews

White Background



This preview shows how the RYB color 161, 31, 242 looks on a white background.

Color Contrast Check

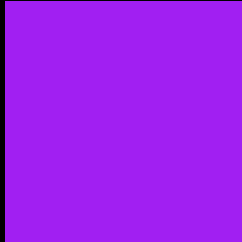
Large Text (above 18pt) WCAG AA ✓ Pass

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 161, 31, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

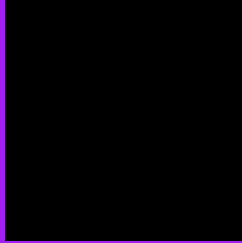
Any Text WCAG AA × Fail

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](#).

RYB 161, 31, 242 Background



This preview shows how black text looks on a background with the RYB color 161, 31, 242.

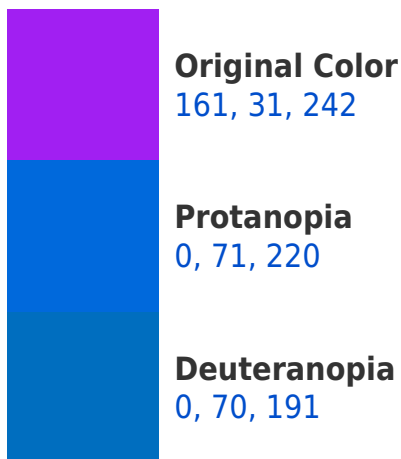


This preview shows how white text looks on a background with the RYB color 161, 31, 242.

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
136, 98, 105

Trichromacy



Original Color

161, 31, 242



Protanomaly

59, 76, 228



Deuteranomaly

59, 79, 210



Tritanomaly

145, 74, 155

Monochromacy



Original Color

161, 31, 242



Achromatopsia

94, 94, 94



Achromatomaly

118, 71, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 161, 31, 242 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(161, 31, 242)` looks like.

```
.text, #text, p{  
    color:rgb(161, 31, 242)  
}
```

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(161, 31, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 31, 242) }
```

Border

The CSS property to change the border of an element to RYB 161, 31, 242 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(161, 31, 242) }
```

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

```
.border{ border-color:rgb(161, 31, 242) }
```

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

Here you see how a box with a 4 pixel rgb(161, 31, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 31, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 31, 242);  
box-shadow:4px 4px 4px 4px rgb(161, 31,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 161, 31, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 31, 242) }
```

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

```
.background{ background-color: rgb(161, 31,  
242) }
```

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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