

Converting Colors

`RYB(155, 77, 232)`

Have a look what the booklet for
RYB(155, 77, 232) contains.

RYB(155, 77, 232)	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(155, 77, 232)

Conversions

Conversions Part 1

Format	Color
Hex	9B4DE8
RGB	155, 77, 232
RGB Percent	61%, 30%, 91%
CMY	0.3922, 0.6980, 0.0902
CMYK	0.33, 0.67, 0.00, 0.09
HSL	270°, 77%, 61%
HSV	270°, 67%, 91%
XYZ	30.7369, 18.1025, 78.2180
YIQ	117.9920, -3.2670, 64.7410

Conversions

Conversions Part 2

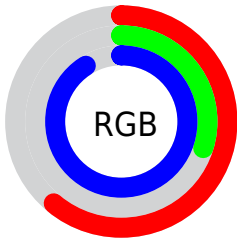
Format	Color
RYB	155, 77, 232
Decimal	10178024
CIELab	49.62, 60.35, -65.98
CIELCh	50, 89.420, 312.448
Yxy	18.1025, 0.2419, 0.1425
Android (android.graphics.Color)	4288368104 (0xFF9B4DE8)
YUV	117.9920, 56.2059, 32.4560
Hunter-Lab	42.5470, 54.4950, -79.2152

Details

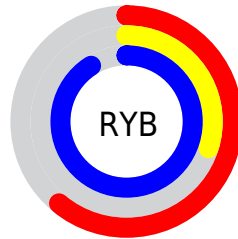
The RYB color **155, 77, 232** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **77, 232, 155**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **214, 131, 255**, and **97, 18, 175** is the 20% darker color. If you saturate the color by 10%, you get **143, 54, 232**, and if you desaturate by 10%, it is **167, 100, 232**.

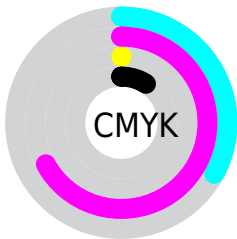
Distribution



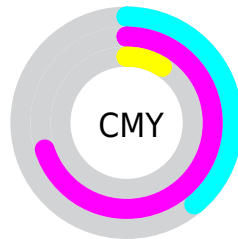
- Red (61%)
- Green (30%)
- Blue (91%)



- Red (61%)
- Yellow (30%)
- Blue (91%)



- Cyan (33%)
- Magenta (67%)
- Yellow (0%)
- Black (9%)





















- Cyan (39%)
- Magenta (70%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the RYB color 155, 77, 232 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 155, 77, 232 by changing the saturation by 10% instead.

 155, 77, 232	 155, 77, 232
 255, 255, 255	 126, 50, 203
 214, 131, 255	 97, 18, 175
 244, 158, 255	 67, 0, 148
 255, 186, 255	 33, 0, 121
 255, 215, 255	 0, 0, 96
 255, 244, 255	 0, 0, 71
	 0, 4, 47
	 0, 1, 26
	 0, 0, 0

 155, 77, 232


 155, 77, 232

 143, 54, 232

 167, 100, 232


 132, 31, 232

 178, 123, 232

 120, 7, 232

 190, 147, 232

 117, 0, 232

 201, 170, 232

 213, 193, 232

 224, 216, 232

 232, 239, 235

 232, 255, 240

 232, 255, 232

Harmonies

Analogous

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



0, 81, 255



155, 77, 232



226, 0, 166

Triad

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



155, 77, 232



154, 180, 0



0, 74, 149

Complementary

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



155, 77, 232



77, 232, 155

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, 100, 146



155, 77, 232



0, 125, 10

Square

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



155, 77, 232



226, 54, 7



0, 139, 139



0, 88, 220

Rectangle

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



155, 77, 232



244, 0, 115



0, 139, 139



0, 81, 148

Sweetspot

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



155, 77, 232



230, 204, 255



77, 129, 232



112, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



155, 77, 232



154, 51, 255



232, 77, 232



109, 103, 115



90, 0, 179



26, 0, 51

Inverse Universe

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



232, 77, 154



255, 51, 152



77, 232, 232



115, 103, 109



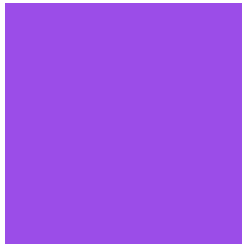
179, 0, 89



51, 0, 25

Previews

White Background



This preview shows how the RYB color 155, 77, 232 looks on a white background.

Color Contrast Check

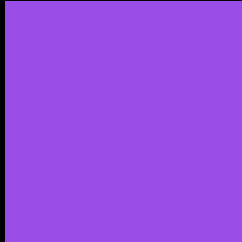
Large Text (above 18pt) WCAG AA ✓ Pass

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 155, 77, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

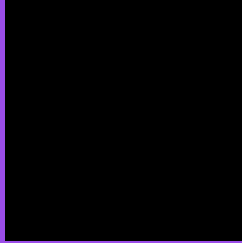
Any Text WCAG AA ✓ Pass

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 155, 77, 232 Background



This preview shows how black text looks on a background with the RYB color 155, 77, 232.

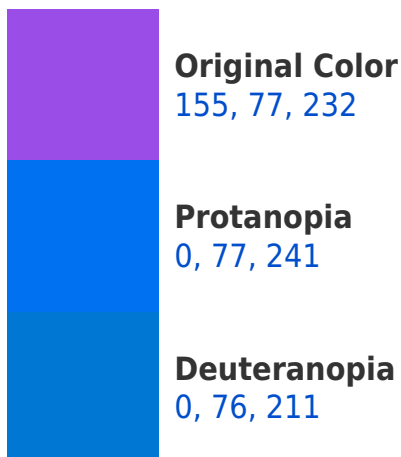


This preview shows how white text looks on a background with the RYB color 155, 77, 232.

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
134, 112, 121

Trichromacy



Original Color
155, 77, 232



Protanomaly
56, 92, 238



Deuteranomaly
56, 93, 219



Tritanomaly
142, 99, 161

Monochromacy



Original Color
155, 77, 232



Achromatopsia
118, 118, 118



Achromatomaly
131, 103, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 155, 77, 232 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(155, 77, 232)` looks like.

```
.text, #text, p{  
    color:rgb(155, 77, 232)  
}
```

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(155, 77, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 77, 232) }
```

Border

The CSS property to change the border of an element to RYB 155, 77, 232 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(155, 77, 232) }
```

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

```
.border{ border-color:rgb(155, 77, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 77, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 77, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 77, 232);  
box-shadow:4px 4px 4px 4px rgb(155, 77,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 155, 77, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 77, 232) }
```

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

```
.background{ background-color: rgb(155, 77,  
232) }
```

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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