

Converting Colors

`RYB(164, 137, 243)`

Have a look what the booklet for RYB(164, 137, 243) contains.

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Color

R_YB(164, 137, 243)

Conversions

Conversions Part 1

Format	Color
Hex	A489F3
RGB	164, 137, 243
RGB Percent	64%, 54%, 95%
CMY	0.3569, 0.4627, 0.0471
CMYK	0.33, 0.44, 0.00, 0.05
HSL	255°, 82%, 75%
HSV	255°, 44%, 95%
XYZ	40.4332, 32.2549, 88.8888
YIQ	157.1570, -17.9340, 38.6900

Conversions

Conversions Part 2

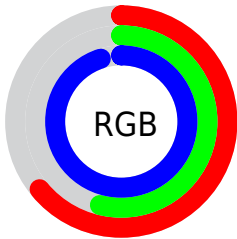
Format	Color
RYB	164, 137, 243
Decimal	10783219
CIELab	63.55, 33.14, -49.76
CIELCh	64, 59.787, 303.664
Yxy	32.2549, 0.2502, 0.1996
Android (android.graphics.Color)	4288973299 (0xFFA489F3)
YUV	157.1570, 42.3206, 6.0013
Hunter-Lab	56.7934, 27.6918, -53.0409

Details

The RYB color **164, 137, 243** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **137, 243, 164**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **221, 191, 255**, and **109, 87, 186** is the 20% darker color. If you saturate the color by 10%, you get **146, 113, 243**, and if you desaturate by 10%, it is **182, 161, 243**.

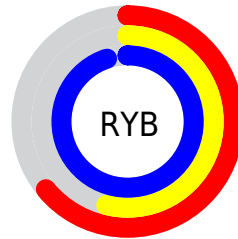
Distribution



Red (64%)

Green (54%)

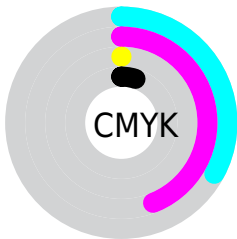
Blue (95%)



Red (64%)

Yellow (54%)

Blue (95%)

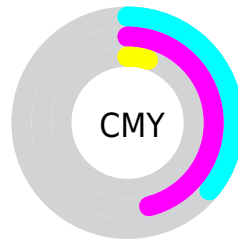


Cyan (33%)

Magenta (44%)

Yellow (0%)

Black (5%)



Cyan (36%)


Magenta (46%)

Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the RYB color 164, 137, 243 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 164, 137, 243 by changing the saturation by 10% instead.

 164, 137, 243

255, 255, 255

 221, 191, 255


 251, 219, 255

 255, 247, 255

 164, 137, 243

 136, 111, 214

 109, 87, 186

 81, 63, 159

 53, 40, 132

 20, 19, 106

 0, 0, 82

 0, 1, 58

 0, 2, 35

 0, 0, 10

■ 164, 137, 243

■ 164, 137, 243

■ 146, 113, 243

■ 182, 161, 243

■ 128, 88, 243

■ 200, 186, 243

■ 110, 64, 243

■ 218, 210, 243

■ 92, 40, 243

■ 236, 234, 243

■ 73, 16, 243

■ 243, 255, 243

■ 62, 0, 243

Harmonies

Analogous

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



31, 112, 255



164, 137, 243



224, 115, 202

Triad

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



164, 137, 243



219, 206, 56



0, 95, 179

Complementary

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



164, 137, 243



137, 243, 164

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.



24, 124, 176



164, 137, 243



64, 176, 36

Square

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



164, 137, 243



246, 115, 98



58, 168, 105



0, 97, 212

Rectangle

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



164, 137, 243



244, 105, 168



58, 168, 105



0, 100, 179

Sweetspot

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



164, 137, 243



230, 222, 255



137, 182, 243



112, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 137, 243



156, 122, 255



216, 137, 243



113, 110, 122



47, 0, 186



15, 0, 59

Inverse Universe

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



243, 137, 216



255, 122, 221



137, 243, 217



122, 110, 119



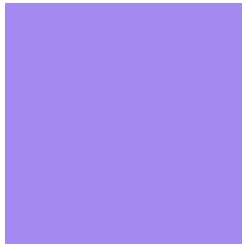
186, 0, 139



59, 0, 44

Previews

White Background



This preview shows how the RYB color 164, 137, 243 looks on a white background.

Color Contrast Check

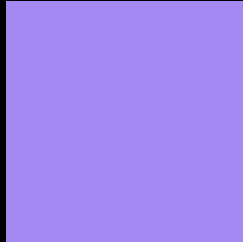
Large Text (above 18pt) WCAG AA × Fail

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 164, 137, 243 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 ✓ Pass

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

RYB 164, 137, 243 Background



This preview shows how black text looks on a background with the RYB color 164, 137, 243.

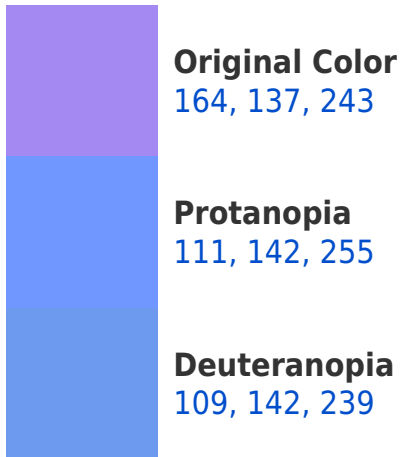


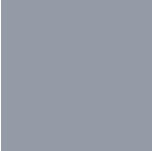
This preview shows how white text looks on a background with the RYB color 164, 137, 243.

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

148, 153, 166

Trichromacy



Original Color
164, 137, 243

Protanomaly
130, 143, 251

Deuteranomaly
129, 145, 240

Tritanomaly
154, 148, 194

Monochromacy



Original Color
164, 137, 243

Achromatopsia
157, 157, 157

Achromatomaly
160, 150, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 137, 243 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(164, 137, 243)` looks like.

```
.text, #text, p{  
    color:rgb(164, 137, 243)  
}
```

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(164, 137, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 137, 243) }
```

Border

The CSS property to change the border of an element to RYB 164, 137, 243 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(164, 137, 243) }
```

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

```
.border{ border-color:rgb(164, 137, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 137, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 137, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 137, 243);  
box-shadow:4px 4px 4px 4px rgb(164, 137,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 164, 137, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 137, 243) }
```

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

```
.background{ background-color: rgb(164,  
137, 243) }
```

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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