

Converting Colors

`RYB(172, 144, 245)`

Have a look what the booklet for
RYB(172, 144, 245) contains.

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Color

`RYB(172, 144, 245)`

Conversions

Conversions Part 1

Format	Color
Hex	AC90F5
RGB	172, 144, 245
RGB Percent	67%, 56%, 96%
CMY	0.3255, 0.4353, 0.0392
CMYK	0.30, 0.41, 0.00, 0.04
HSL	257°, 83%, 76%
HSV	257°, 41%, 96%
XYZ	43.4679, 35.3097, 90.9107
YIQ	163.8860, -15.7330, 37.3470

Conversions

Conversions Part 2

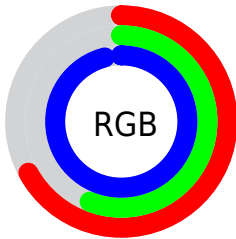
Format	Color
R_{YB}	172, 144, 245
Decimal	11309301
CIE _{Lab}	65.99, 31.82, -46.97
CIE _{LCh}	66, 56.733, 304.120
Yxy	35.3097, 0.2562, 0.2081
Android (android.graphics.Color)	4289499381 (0xFFAC90F5)
YUV	163.8860, 39.9892, 7.1160
Hunter-Lab	59.4220, 26.5865, -49.1133

Details

The RYB color **172, 144, 245** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **144, 245, 172**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **229, 198, 255**, and **117, 93, 188** is the 20% darker color. If you saturate the color by 10%, you get **154, 120, 245**, and if you desaturate by 10%, it is **190, 169, 245**.

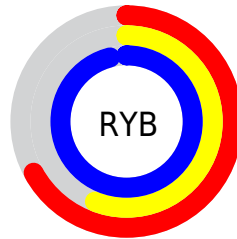
Distribution



Red (67%)

Green (56%)

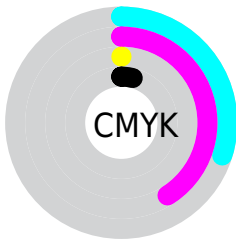
Blue (96%)



Red (67%)

Yellow (56%)

Blue (96%)

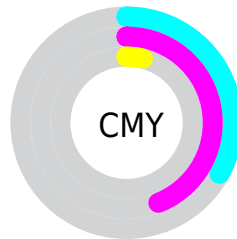


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (44%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 144, 245 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 172, 144, 245 by changing the saturation by 10% instead.


 172, 144, 245

255, 255, 255


 229, 198, 255

 255, 226, 255

 172, 144, 245

 144, 118, 216

 117, 93, 188

 90, 69, 161

 63, 46, 134

 34, 24, 108

 0, 3, 83

 0, 0, 60

 0, 2, 37

 0, 1, 13

■ 172, 144, 245

■ 172, 144, 245

■ 154, 120, 245

■ 190, 169, 245

■ 137, 95, 245

■ 207, 193, 245

■ 119, 70, 245

■ 225, 218, 245

■ 101, 46, 245

■ 243, 242, 245

■ 83, 21, 245

■ 245, 255, 245

■ 68, 0, 245

Harmonies

Analogous

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



67, 131, 255



172, 144, 245



228, 124, 206

Triad

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



172, 144, 245



223, 208, 67



0, 98, 185

Complementary

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



172, 144, 245



144, 245, 172

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.



49, 138, 182



172, 144, 245



77, 182, 51

Square

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



172, 144, 245



249, 125, 106



71, 174, 116



0, 99, 216

Rectangle

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



172, 144, 245



248, 116, 173



71, 174, 116



0, 103, 185

Sweetspot

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



172, 144, 245



233, 224, 255



144, 187, 245



115, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 144, 245



165, 130, 255



221, 144, 245



114, 110, 122



52, 0, 186



16, 0, 59

Inverse Universe

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



245, 144, 217



255, 130, 220



144, 245, 221



122, 110, 119



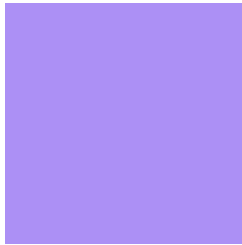
186, 0, 135



59, 0, 42

Previews

White Background



This preview shows how the RYB color 172, 144, 245 looks on a white background.

Color Contrast Check

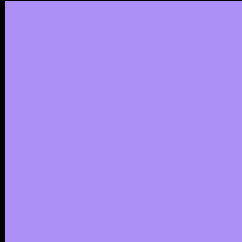
Large Text (above 18pt) WCAG AA × Fail

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 172, 144, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

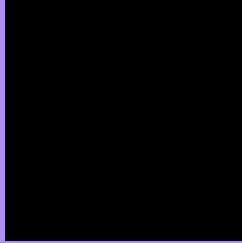
Any Text WCAG AA ✓ Pass

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 172, 144, 245 Background



This preview shows how black text looks on a background with the RYB color 172, 144, 245.

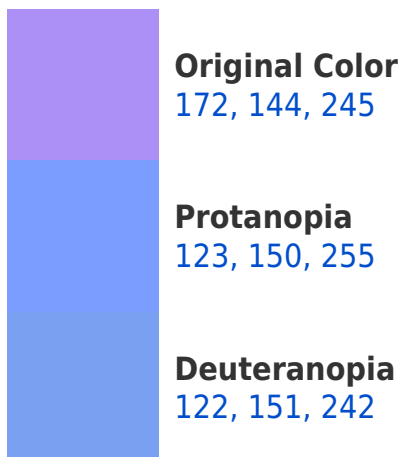



This preview shows how white text looks on a background with the RYB color 172, 144, 245.

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
158, 160, 172

Trichromacy



Original Color
172, 144, 245

Protanomaly
141, 151, 251

Deuteranomaly
140, 152, 243

Tritanomaly
163, 154, 199

Monochromacy



Original Color
172, 144, 245

Achromatopsia
164, 164, 164

Achromatomaly
167, 157, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 144, 245 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(172, 144, 245)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 245)  
}
```

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(172, 144, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 245) }
```

Border

The CSS property to change the border of an element to RYB 172, 144, 245 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(172, 144, 245) }
```

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

```
.border{ border-color:rgb(172, 144, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 245);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 172, 144, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 245) }
```

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

```
.background{ background-color: rgb(172,  
144, 245) }
```

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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