

Converting Colors

`RYB(172, 145, 239)`

Have a look what the booklet for
RYB(172, 145, 239) contains.

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Color

R_YB(172, 145, 239)

Conversions

Conversions Part 1

Format	Color
Hex	AC91EF
RGB	172, 145, 239
RGB Percent	67%, 57%, 94%
CMY	0.3255, 0.4314, 0.0627
CMYK	0.28, 0.39, 0.00, 0.06
HSL	257°, 75%, 75%
HSV	257°, 39%, 94%
XYZ	42.7186, 35.2534, 86.2144
YIQ	163.7890, -14.0820, 34.9580

Conversions

Conversions Part 2

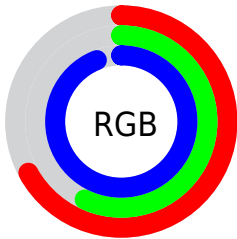
Format	Color
R _{YB}	172, 145, 239
Decimal	11309551
CIE _{Lab}	65.95, 29.78, -43.74
CIE _{LCh}	66, 52.920, 304.251
Y _{xy}	35.2534, 0.2602, 0.2147
Android (android.graphics.Color)	4289499631 (0xFFAC91EF)
YUV	163.7890, 37.0790, 7.2010
Hunter-Lab	59.3746, 24.5210, -44.5293

Details

The RYB color **172, 145, 239** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **145, 239, 172**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **229, 199, 255**, and **117, 94, 183** is the 20% darker color. If you saturate the color by 10%, you get **155, 121, 239**, and if you desaturate by 10%, it is **189, 169, 239**.

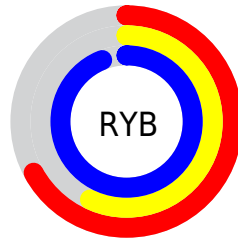
Distribution



Red (67%)

Green (57%)

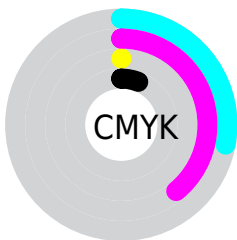
Blue (94%)



Red (67%)

Yellow (57%)

Blue (94%)

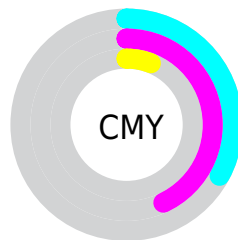


Cyan (28%)

Magenta (39%)

Yellow (0%)

Black (6%)



Cyan (33%)


Magenta (43%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 145, 239 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, 145, 239 by changing the saturation by 10% instead.


 172, 145, 239

255, 255, 255

 229, 199, 255

 255, 227, 255

 172, 145, 239


 144, 119, 210

 117, 94, 183

 91, 70, 155

 64, 47, 129

 37, 25, 103

 1, 4, 79

 0, 0, 55

 0, 2, 33

 0, 0, 6

■ 172, 145, 239

■ 172, 145, 239

■ 155, 121, 239

■ 189, 169, 239

■ 138, 97, 239

■ 206, 193, 239

■ 121, 73, 239

■ 223, 217, 239

■ 104, 49, 239

■ 239, 241, 240

■ 87, 25, 239

■ 239, 255, 239

■ 70, 2, 239

■ 69, 0, 239

Harmonies

Analogous

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



82, 137, 255



172, 145, 239



224, 127, 202

Triad

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



172, 145, 239



220, 205, 74



0, 97, 184

Complementary

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



172, 145, 239



145, 239, 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.



62, 143, 181



172, 145, 239



85, 181, 60

Square

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



172, 145, 239



244, 128, 109



78, 173, 120



0, 98, 212

Rectangle

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



172, 145, 239



242, 120, 171



78, 173, 120



0, 101, 183

Sweetspot

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



172, 145, 239



233, 224, 255



145, 184, 239



115, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 145, 239



170, 135, 255



219, 145, 239



111, 108, 120



53, 0, 184



16, 0, 56

Inverse Universe

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



239, 145, 212



255, 135, 221



145, 239, 219



120, 108, 116



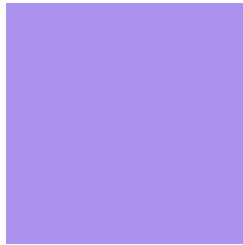
184, 0, 131



56, 0, 40

Previews

White Background



This preview shows how the RYB color 172, 145, 239 looks on a white background.

Color Contrast Check

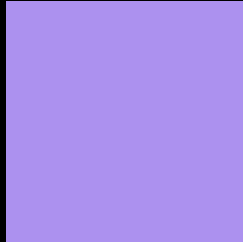
Large Text (above 18pt) WCAG AA × Fail

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, 145, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

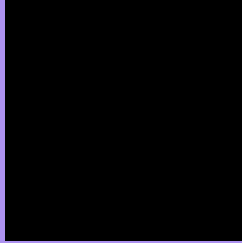
Any Text WCAG AA ✓ Pass

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, 145, 239 Background



This preview shows how black text looks on a background with the RYB color 172, 145, 239.




This preview shows how white text looks on a background with the RYB color 172, 145, 239.

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
159, 159, 172

Trichromacy



Original Color
172, 145, 239

Protanomaly
143, 152, 245

Deuteranomaly
144, 153, 237

Tritanomaly
164, 154, 196

Monochromacy



Original Color
172, 145, 239

Achromatopsia
164, 164, 164

Achromatomaly
167, 157, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 145, 239 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, 145, 239)` looks like.

```
.text, #text, p{  
    color:rgb(172, 145, 239)  
}
```

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, 145, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 145, 239) }
```

Border

The CSS property to change the border of an element to RYB 172, 145, 239 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, 145, 239) }
```

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

```
.border{ border-color:rgb(172, 145, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 145, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 145, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 145, 239); box-shadow:4px 4px 4px 4px rgb(172, 145, 239) }
```

Background

The CSS property to change the background color of an element to RYB 172, 145, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 145, 239) }
```

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

```
.background{ background-color: rgb(172,  
145, 239) }
```

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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