Converting Colors

RYB(170, 144, 243)

Have a look what the booklet for RYB(170, 144, 243) contains.

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Color

RYB(170, 144, 243)

Conversions

Conversions Part 1

Format	Color
Hex	AA90F3
RGB	170, 144, 243
RGB Percent	67%, 56%, 95%
CMY	0.3333, 0.4353, 0.0471
CMYK	0.30, 0.41, 0.00, 0.05
HSL	256°, 80%, 76%
HSV	256°, 41%, 95%
XYZ	42.7285, 34.9636, 89.2906
YIQ	163.0600, -16.2830, 36.3010

Conversions

Conversions Part 2

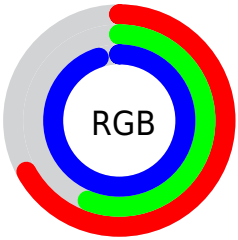
Format	Color
RYB	170, 144, 243
Decimal	11178227
CIELab	65.72, 30.78, -46.31
CIELCh	66, 55.605, 303.616
Yxy	34.9636, 0.2559, 0.2094
Android (android.graphics.Color)	4289368307 (0xFFAA90F3)
YUV	163.0600, 39.4104, 6.0864
Hunter-Lab	59.1301, 25.5099, -48.1411

Details

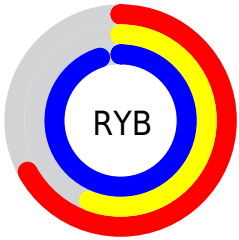
The RYB color 170, 144, 243 is a light color, and the websafe version is hex 9999FF. A complement of this color would be 144, 243, 170, and the grayscale version is 163, 163, 163.

A 20% lighter version of the original color is 227, 198, 255, and 115, 93, 186 is the 20% darker color. If you saturate the color by 10%, you get 152, 120, 243, and if you desaturate by 10%, it is 188, 168, 243.

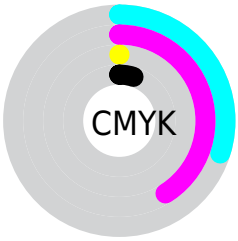
Distribution



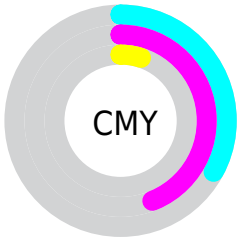
- Red (67%)
- Green (56%)
- Blue (95%)



- Red (67%)
- Yellow (56%)
- Blue (95%)



- Cyan (30%)
- Magenta (41%)
- Yellow (0%)
- Black (5%)



- Cyan (33%)
- Magenta (44%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 144, 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 170, 144, 243 by changing the saturation by 10% instead.

170, 144, 243	170, 144, 243
255, 255, 255	142, 118, 214
227, 198, 255	115, 93, 186
255, 226, 255	88, 69, 159
	61, 46, 132
	32, 25, 107
	0, 3, 82
	0, 0, 58
	0, 2, 35
	0, 0, 11

170, 144, 243	170, 144, 243
152, 120, 243	188, 168, 243
134, 95, 243	206, 193, 243
116, 71, 243	224, 217, 243
98, 47, 243	242, 241, 243
80, 23, 243	243, 255, 243
64, 0, 243	

Harmonies

Analogous

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

68, 131, 255

170, 144, 243

225, 124, 205

Triad

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

170, 144, 243

222, 205, 69

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.

170, 144, 243

144, 243, 170

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.

55, 141, 181

170, 144, 243

82, 182, 54

Square

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

170, 144, 243

247, 125, 107

72, 173, 115

0, 98, 213

Rectangle

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

170, 144, 243

245, 116, 172

72, 173, 115

0, 102, 184

Sweetspot

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

170, 144, 243

232, 224, 255

144, 186, 243

114, 110, 128

0, 0, 0

128, 128, 128

Same Dimension

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

170, 144, 243

163, 130, 255

218, 144, 243

113, 110, 122

49, 0, 186

15, 0, 59

Inverse Universe

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

243, 144, 217

255, 130, 222

144, 243, 218

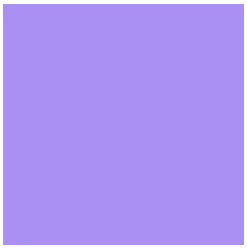
122, 110, 119

186, 0, 137

59, 0, 43

Previews

White Background

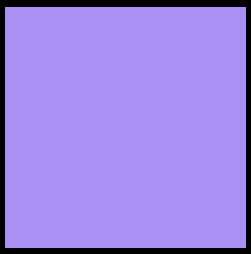


This preview shows how the RYB color 170, 144, 243 looks on a white background.

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



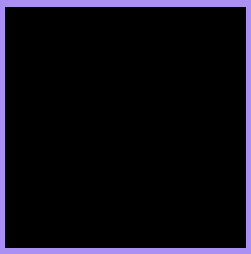
This preview shows how the RYB color 170, 144, 243 looks on a black background.

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 170, 144, 243 Background



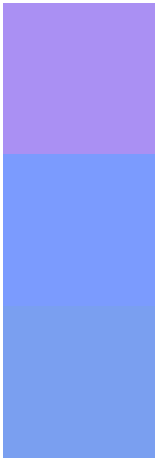
This preview shows how black text looks on a background with the RYB color 170, 144, 243.

This preview shows how white text looks on a background with the RYB color 170, 144, 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



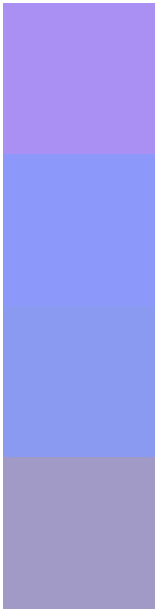
Original Color
170, 144, 243

Protanopia
123, 149, 254

Deuteranopia
122, 150, 240

Tritanopia
156, 159, 172

Trichromacy



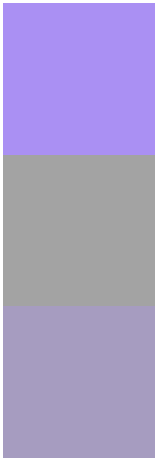
Original Color
170, 144, 243

Protanomaly
140, 151, 250

Deuteranomaly
139, 152, 241

Tritanomaly
161, 154, 198

Monochromacy



Original Color
170, 144, 243

Achromatopsia
163, 163, 163

Achromatomaly
166, 156, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 144, 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(170, 144, 243) looks like.

```
.text, #text, p{
    color:rgb(170, 144, 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(170, 144, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 144, 243) }
```

Border

The CSS property to change the border of an element to RYB 170, 144, 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(170, 144, 243) }
```

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

```
.border{ border-color:rgb(170, 144, 243) }
```

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

Here you see how a box with a 4 pixel rgb(170, 144, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 144, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 144, 243); box-shadow:4px 4px 4px 4px rgb(170, 144, 243) }
```

Background

The CSS property to change the background color of an element to RYB 170, 144, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(170, 144, 243) }
```

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

```
.background{ background-color:rgb(170,
144, 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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