

Converting Colors

`RYB(170, 160, 249)`

Have a look what the booklet for
RYB(170, 160, 249) contains.

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Color

R_YB(170, 160, 249)

Conversions

Conversions Part 1

Format	Color
Hex	AAA0F9
RGB	170, 160, 249
RGB Percent	67%, 63%, 98%
CMY	0.3333, 0.3725, 0.0235
CMYK	0.32, 0.36, 0.00, 0.02
HSL	247°, 88%, 80%
HSV	247°, 36%, 98%
XYZ	46.2473, 40.5272, 95.0076
YIQ	173.1360, -22.6090, 29.7990

Conversions

Conversions Part 2

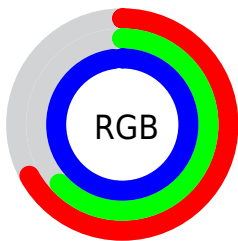
Format	Color
R _Y B	170, 160, 249
Decimal	11182329
CIE Lab	69.84, 23.25, -43.11
CIE LCh	70, 48.980, 298.340
Yxy	40.5272, 0.2544, 0.2229
Android (android.graphics.Color)	4289372409 (0xFFAAA0F9)
YUV	173.1360, 37.4010, -2.7503
Hunter-Lab	63.6610, 18.2666, -43.9216

Details

The RYB color **170, 160, 249** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **160, 249, 170**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **227, 215, 255**, and **115, 109, 192** is the 20% darker color. If you saturate the color by 10%, you get **148, 135, 249**, and if you desaturate by 10%, it is **192, 185, 249**.

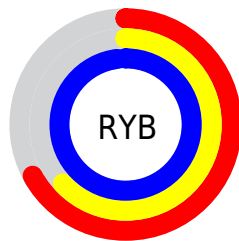
Distribution



Red (67%)

Green (63%)

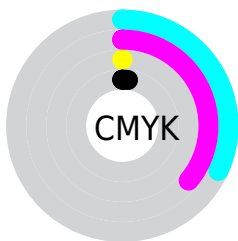
Blue (98%)



Red (67%)

Yellow (63%)

Blue (98%)

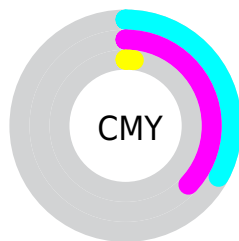


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (33%)


Magenta (37%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 160, 249 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, 160, 249 by changing the saturation by 10% instead.


 170, 160, 249

255, 255, 255


 227, 215, 255


 255, 243, 255

 170, 160, 249


 142, 134, 220

 115, 109, 192

 88, 84, 165

 61, 61, 138

 32, 38, 112

 0, 16, 87

 0, 0, 64

 0, 3, 40

 0, 1, 18

■ 170, 160, 249

■ 170, 160, 249

■ 148, 135, 249

■ 192, 185, 249

■ 126, 110, 249

■ 214, 210, 249

■ 104, 85, 249

■ 236, 235, 249

■ 82, 60, 249

■ 249, 255, 249

■ 59, 36, 249

■ 37, 11, 249

■ 28, 0, 249

Harmonies

Analogous

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



86, 145, 255



170, 160, 249



223, 143, 218

Triad

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



170, 160, 249



234, 187, 96



0, 103, 193

Complementary

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



170, 160, 249



160, 249, 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.



99, 171, 189



170, 160, 249



123, 199, 79

Square

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



170, 160, 249



253, 137, 131



89, 181, 115



0, 101, 211

Rectangle

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



170, 160, 249



245, 136, 190



89, 181, 115



40, 128, 192

Sweetspot

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



170, 160, 249



230, 227, 255



160, 202, 249



113, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 160, 249



158, 145, 255



213, 160, 249



114, 112, 125



21, 0, 189



7, 0, 61

Inverse Universe

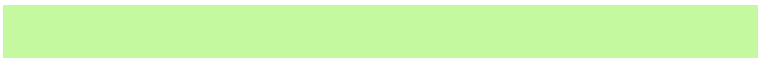
The Inverse Universe completely reimagines the original color for something new.



249, 160, 239



255, 145, 243



160, 249, 213



125, 112, 124



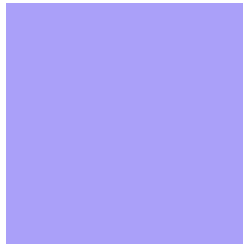
189, 0, 167



61, 0, 54

Previews

White Background



This preview shows how the RYB color 170, 160, 249 looks on a white background.

Color Contrast Check

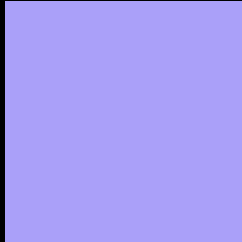
Large Text (above 18pt) WCAG AA × Fail

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, 160, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

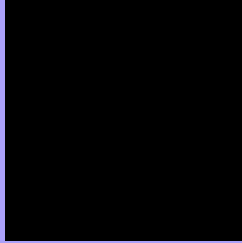
Any Text WCAG AA ✓ Pass

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, 160, 249 Background



This preview shows how black text looks on a background with the RYB color 170, 160, 249.



This preview shows how white text looks on a background with the RYB color 170, 160, 249.

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](#).

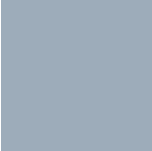
Dichromacy



Original Color
170, 160, 249

Protanopia
141, 163, 255

Deuteranopia
140, 163, 247



Tritanopia
157, 167, 186

Trichromacy



Original Color
170, 160, 249

Protanomaly
152, 164, 253

Deuteranomaly
151, 164, 248

Tritanomaly
162, 167, 209

Monochromacy



Original Color
170, 160, 249

Achromatopsia
173, 173, 173

Achromatomaly
172, 168, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 160, 249 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, 160, 249)` looks like.

```
.text, #text, p{  
    color:rgb(170, 160, 249)  
}
```

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, 160, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 160, 249) }
```

Border

The CSS property to change the border of an element to RYB 170, 160, 249 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, 160, 249) }
```

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

```
.border{ border-color:rgb(170, 160, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 160, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 160, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 160, 249); box-shadow:4px 4px 4px 4px rgb(170, 160, 249) }
```

Background

The CSS property to change the background color of an element to RYB 170, 160, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 160, 249) }
```

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

```
.background{ background-color: rgb(170,  
160, 249) }
```

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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