

Converting Colors

`RYB(170, 170, 239)`

Have a look what the booklet for
RYB(170, 170, 239) contains.

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Color

R_YB(170, 170, 239)

Conversions

Conversions Part 1

Format	Color
Hex	AAAAEF
RGB	170, 170, 239
RGB Percent	67%, 67%, 94%
CMY	0.3333, 0.3333, 0.0627
CMYK	0.29, 0.29, 0.00, 0.06
HSL	240°, 68%, 80%
HSV	240°, 29%, 94%
XYZ	46.5323, 43.5275, 87.6105
YIQ	177.8660, -22.1490, 21.4590

Conversions

Conversions Part 2

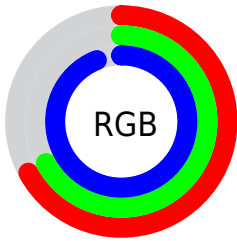
Format	Color
RYB	170, 170, 239
Decimal	11184879
CIELab	71.91, 15.14, -34.45
CIELCh	72, 37.631, 293.729
Yxy	43.5275, 0.2619, 0.2450
Android (android.graphics.Color)	4289374959 (0xFFAAAAEF)
YUV	177.8660, 30.1391, -6.8985
Hunter-Lab	65.9754, 10.4387, -32.5500

Details

The RYB color **170, 170, 239** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **170, 239, 170**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **227, 225, 255**, and **116, 118, 183** is the 20% darker color. If you saturate the color by 10%, you get **146, 146, 239**, and if you desaturate by 10%, it is **194, 194, 239**.

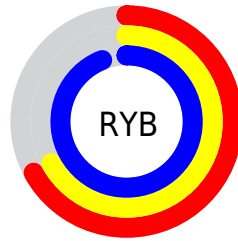
Distribution



Red (67%)

Green (67%)

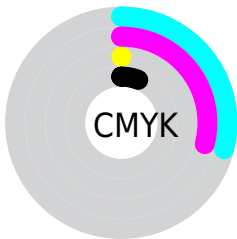
Blue (94%)



Red (67%)

Yellow (67%)

Blue (94%)

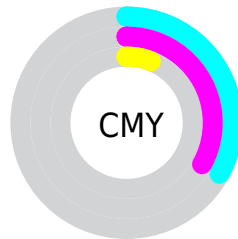


Cyan (29%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 170, 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 170, 170, 239 by changing the saturation by 10% instead.

■ 170, 170, 239

255, 255, 255

■ 227, 225, 255

255, 254, 255

■ 170, 170, 239

■ 143, 144, 211

■ 116, 118, 183

■ 90, 93, 156

■ 64, 69, 129

■ 38, 47, 104

■ 5, 22, 80

■ 0, 0, 56

■ 0, 2, 34

■ 0, 0, 8

■ 170, 170, 239

■ 170, 170, 239

■ 146, 146, 239

■ 194, 194, 239

■ 122, 122, 239

■ 218, 218, 239

■ 98, 98, 239

■ 239, 242, 239

■ 74, 74, 239

■ 239, 255, 239

■ 50, 50, 239

■ 27, 27, 239

■ 3, 3, 239

■ 0, 0, 239

Harmonies

Analogous

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



115, 159, 244



170, 170, 239



213, 158, 217

Triad

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



170, 170, 239



231, 180, 122



87, 148, 194

Complementary

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



170, 170, 239



170, 239, 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.



131, 187, 190



170, 170, 239



160, 206, 108

Square

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



170, 170, 239



243, 151, 150



112, 183, 124



43, 121, 203

Rectangle

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



170, 170, 239



232, 152, 196



112, 183, 124



102, 159, 193

Sweetspot

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



170, 170, 239



232, 232, 255



170, 205, 239



113, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 170, 239



166, 166, 255



204, 170, 239



108, 108, 120



0, 0, 184



0, 0, 56

Inverse Universe

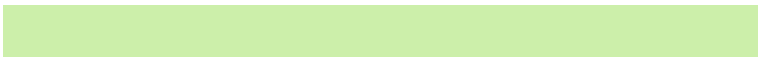
The Inverse Universe completely reimagines the original color for something new.



239, 170, 239



255, 166, 255



170, 239, 205



120, 108, 120



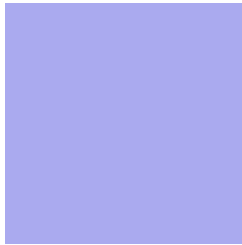
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 170, 170, 239 looks on a white background.

Color Contrast Check

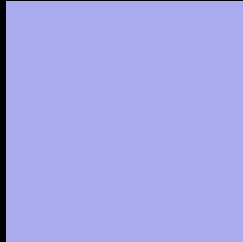
Large Text (above 18pt) WCAG AA × Fail

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 170, 170, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

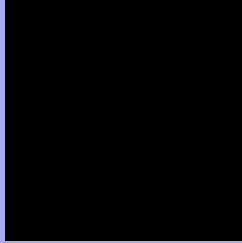
Any Text WCAG AA ✓ Pass

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 170, 170, 239 Background



This preview shows how black text looks on a background with the RYB color 170, 170, 239.



This preview shows how white text looks on a background with the RYB color 170, 170, 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](#).

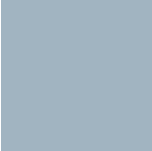
Dichromacy



Original Color
170, 170, 239

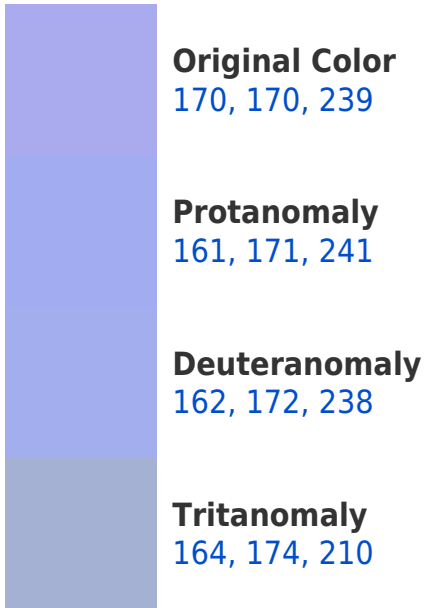
Protanopia
156, 171, 242

Deuteranopia
158, 171, 238

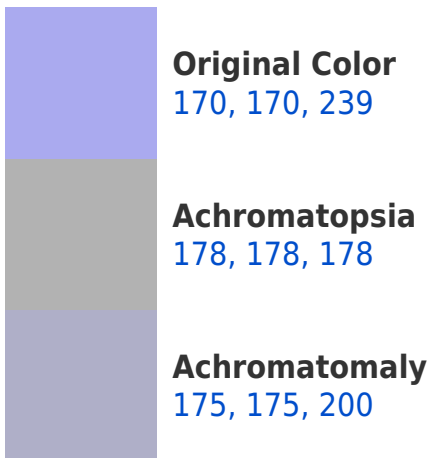


Tritanopia
161, 173, 193

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 170, 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(170, 170, 239)` looks like.

```
.text, #text, p{  
  color:rgb(170, 170, 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(170, 170, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 239) }
```

Border

The CSS property to change the border of an element to RYB 170, 170, 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(170, 170, 239) }
```

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

```
.border{ border-color:rgb(170, 170, 239) }
```

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

Here you see how a box with a 4 pixel rgb(170, 170, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 239);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
239) }
```

Background

The CSS property to change the background color of an element to RYB 170, 170, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 239) }
```

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

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