

Converting Colors

`RYB(170, 111, 195)`

Have a look what the booklet for
RYB(170, 111, 195) contains.

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Color

R_YB(170, 111, 195)

Conversions

Conversions Part 1

Format	Color
Hex	AA6FC3
RGB	170, 111, 195
RGB Percent	67%, 44%, 76%
CMY	0.3333, 0.5647, 0.2353
CMYK	0.13, 0.43, 0.00, 0.24
HSL	282°, 41%, 60%
HSV	282°, 43%, 76%
XYZ	32.1123, 23.8551, 54.5417
YIQ	138.2170, 8.2000, 38.6320

Conversions

Conversions Part 2

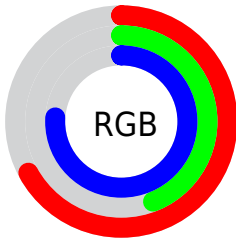
Format	Color
R_{YB}	170, 111, 195
Decimal	11169731
CIE _{Lab}	55.94, 38.15, -34.80
CIE _{LCh}	56, 51.634, 317.627
Yxy	23.8551, 0.2906, 0.2159
Android (android.graphics.Color)	4289359811 (0xFFAA6FC3)
YUV	138.2170, 27.9940, 27.8737
Hunter-Lab	48.8416, 31.8871, -32.0203

Details

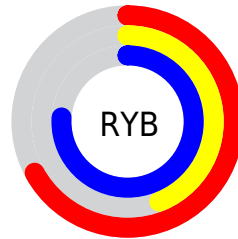
The RYB color **170, 111, 195** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **111, 195, 170**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **227, 164, 252**, and **116, 61, 141** is the 20% darker color. If you saturate the color by 10%, you get **164, 91, 195**, and if you desaturate by 10%, it is **176, 131, 195**.

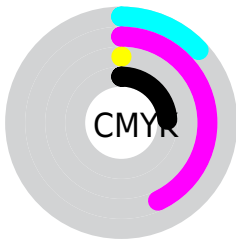
Distribution



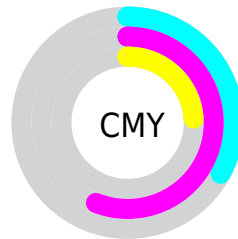
- Red (67%)
- Green (44%)
- Blue (76%)



- Red (67%)
- Yellow (44%)
- Blue (76%)



- Cyan (13%)
- Magenta (43%)
- Yellow (0%)
- Black (24%)




- Cyan (33%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 111, 195 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, 111, 195 by changing the saturation by 10% instead.

 170, 111, 195


255, 255, 255

 227, 164, 252

 255, 191, 255

 255, 220, 255

 255, 248, 255

 170, 111, 195


 143, 86, 168

 116, 61, 141

 90, 37, 115

 65, 11, 90


 40, 0, 66

 15, 0, 44

 0, 1, 22


 0, 0, 0

 170, 111, 195


 170, 111, 195

 164, 91, 195

 176, 131, 195


 158, 72, 195


 182, 150, 195

 153, 53, 195

 187, 170, 195

 147, 33, 195

 193, 189, 195

 141, 14, 195

 195, 208, 204

 137, 0, 195

 195, 228, 218

 195, 247, 231

 195, 255, 234

 195, 255, 228

Harmonies

Analogous

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



102, 125, 220



170, 111, 195



207, 96, 155

Triad

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



170, 111, 195



120, 174, 42



0, 79, 160

Complementary

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



170, 111, 195



111, 195, 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.



0, 90, 155



170, 111, 195



41, 140, 48

Square

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



170, 111, 195



204, 124, 69



70, 150, 140



0, 86, 199

Rectangle

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



170, 111, 195



216, 93, 124



70, 150, 140



0, 81, 156

Sweetspot

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



170, 111, 195



243, 220, 252



111, 130, 195



121, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 111, 195



213, 121, 252



195, 111, 178



94, 87, 97



113, 0, 161



23, 0, 33

Inverse Universe

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



195, 111, 136



252, 121, 160



111, 181, 195



97, 87, 90



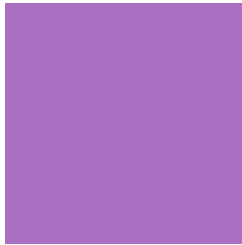
161, 0, 48



33, 0, 10

Previews

White Background



This preview shows how the RYB color 170, 111, 195 looks on a white background.

Color Contrast Check

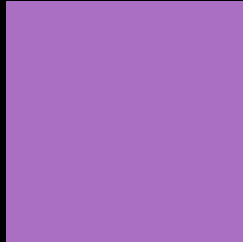
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

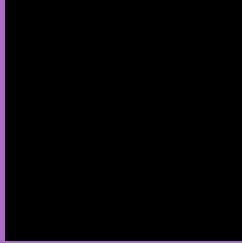
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 170, 111, 195 Background



This preview shows how black text looks on a background with the RYB color 170, 111, 195.

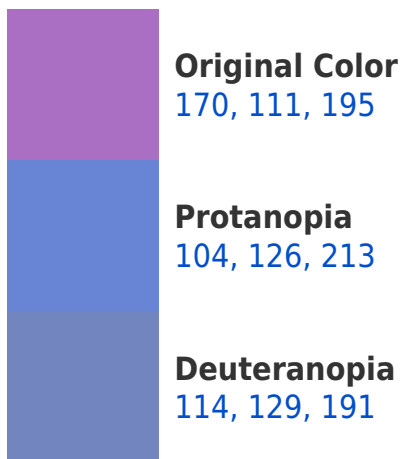


This preview shows how white text looks on a background with the RYB color 170, 111, 195.

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

161, 125, 134

Trichromacy



Original Color
170, 111, 195

Protanomaly
128, 124, 206

Deuteranomaly
134, 125, 192

Tritanomaly
164, 120, 156

Monochromacy



Original Color
170, 111, 195

Achromatopsia
138, 138, 138

Achromatomaly
150, 128, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 111, 195 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, 111, 195)` looks like.

```
.text, #text, p{  
    color:rgb(170, 111, 195)  
}
```

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, 111, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 111, 195) }
```

Border

The CSS property to change the border of an element to RYB 170, 111, 195 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, 111, 195) }
```

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

```
.border{ border-color:rgb(170, 111, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 111, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 111, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 111, 195);  
box-shadow:4px 4px 4px 4px rgb(170, 111,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 170, 111, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 111, 195) }
```

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

```
.background{ background-color: rgb(170,  
111, 195) }
```

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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