

Converting Colors

`RYB(147, 126, 170)`

Have a look what the booklet for
RYB(147, 126, 170) contains.

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Color

R_YB(147, 126, 170)

Conversions

Conversions Part 1

Format	Color
Hex	937EAA
RGB	147, 126, 170
RGB Percent	58%, 49%, 67%
CMY	0.4235, 0.5059, 0.3333
CMYK	0.14, 0.26, 0.00, 0.33
HSL	269°, 21%, 58%
HSV	269°, 26%, 67%
XYZ	26.7492, 24.0270, 41.2581
YIQ	137.2950, -1.6080, 18.1360

Conversions

Conversions Part 2

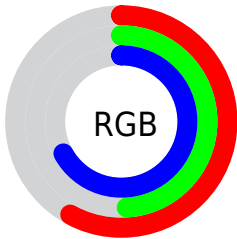
Format	Color
R_{YB}	147, 126, 170
Decimal	9666218
CIE _{Lab}	56.11, 16.82, -20.39
CIE _{LCh}	56, 26.434, 309.525
Yxy	24.0270, 0.2906, 0.2611
Android (android.graphics.Color)	4287856298 (0xFF937EAA)
YUV	137.2950, 16.1236, 8.5113
Hunter-Lab	49.0174, 11.6285, -15.5924

Details

The RYB color **147, 126, 170** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **126, 170, 147**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **201, 179, 225**, and **96, 77, 118** is the 20% darker color. If you saturate the color by 10%, you get **138, 109, 170**, and if you desaturate by 10%, it is **156, 143, 170**.

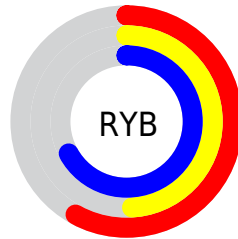
Distribution



Red (58%)

Green (49%)

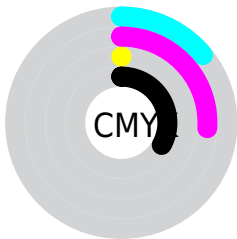
Blue (67%)



Red (58%)

Yellow (49%)

Blue (67%)

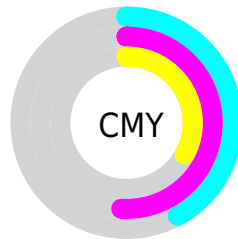


Cyan (14%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (42%)


Magenta (51%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the RYB color 147, 126, 170 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 147, 126, 170 by changing the saturation by 10% instead.


 147, 126, 170


255, 255, 255

 201, 179, 225

 230, 206, 254

 255, 235, 255

 147, 126, 170

 121, 101, 143

 96, 77, 118

 72, 54, 93

 48, 32, 69

 27, 11, 47

 0, 1, 26

 0, 0, 0

 147, 126, 170

 138, 109, 170

 147, 126, 170

 156, 143, 170

129, 92, 170

165, 160, 170

120, 75, 170

170, 177, 173

111, 58, 170

170, 194, 181

103, 41, 170

170, 211, 190

94, 24, 170

170, 228, 198

85, 7, 170

170, 245, 206

81, 0, 170

170, 255, 207

170, 255, 198

Harmonies

Analogous

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



115, 130, 180



147, 126, 170



170, 119, 151

Triad

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



147, 126, 170



164, 164, 92



66, 108, 147

Complementary

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



147, 126, 170



126, 170, 147

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.



91, 128, 146



147, 126, 170



98, 143, 89

Square

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



147, 126, 170



177, 125, 106



98, 142, 122



59, 106, 163

Rectangle

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



147, 126, 170



178, 117, 136



98, 142, 122



74, 114, 147

Sweetspot

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



147, 126, 170



213, 204, 222



126, 141, 170



106, 101, 112



240, 240, 240



112, 112, 112

Same Dimension

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



147, 126, 170



186, 153, 222



169, 126, 170



80, 76, 84



71, 0, 148



10, 0, 20

Inverse Universe

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



170, 126, 149



222, 153, 189



126, 170, 169



84, 76, 80



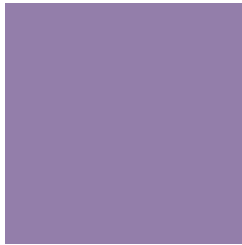
148, 0, 77



20, 0, 11

Previews

White Background



This preview shows how the RYB color 147, 126, 170 looks on a white background.

Color Contrast Check

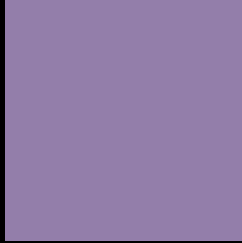
Large Text (above 18pt) WCAG AA ✓ Pass

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 147, 126, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

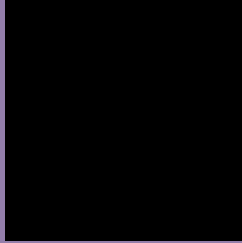
Any Text WCAG AA ✓ Pass

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 147, 126, 170 Background



This preview shows how black text looks on a background with the RYB color 147, 126, 170.



This preview shows how white text looks on a background with the RYB color 147, 126, 170.

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
147, 126, 170

Protanopia
123, 131, 175

Deuteranopia
130, 132, 169



Tritanopia

142, 131, 142

Trichromacy



Original Color
147, 126, 170

Protanomaly
132, 130, 173

Deuteranomaly
136, 130, 169

Tritanomaly
144, 129, 152

Monochromacy



Original Color
147, 126, 170

Achromatopsia
137, 137, 137

Achromatomaly
141, 133, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 147, 126, 170 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(147, 126, 170) looks like.

```
.text, #text, p{  
    color:rgb(147, 126, 170)  
}
```

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(147, 126, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 126, 170) }
```

Border

The CSS property to change the border of an element to RYB 147, 126, 170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

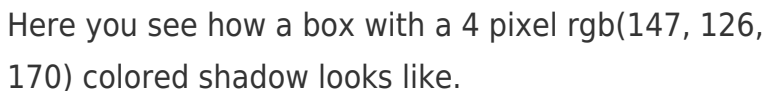
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 126, 170) }
```

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

```
.border{ border-color:rgb(147, 126, 170) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 126, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 126, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 126, 170); box-shadow:4px 4px 4px 4px rgb(147, 126, 170) }
```

Background

The CSS property to change the background color of an element to RYB 147, 126, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 126, 170) }
```

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

```
.background{ background-color: rgb(147,  
126, 170) }
```

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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