

Converting Colors

`RYB(164, 117, 183)`

Have a look what the booklet for RYB(164, 117, 183) contains.

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Color

R_YB(164, 117, 183)

Conversions

Conversions Part 1

Format	Color
Hex	A475B7
RGB	164, 117, 183
RGB Percent	64%, 46%, 72%
CMY	0.3569, 0.5412, 0.2824
CMYK	0.10, 0.36, 0.00, 0.28
HSL	283°, 31%, 59%
HSV	283°, 36%, 72%
XYZ	30.2184, 24.0340, 47.8461
YIQ	138.5770, 6.8260, 30.4900

Conversions

Conversions Part 2

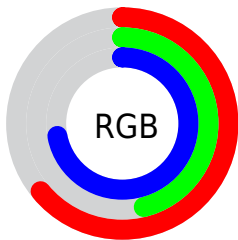
Format	Color
RYB	164, 117, 183
Decimal	10778039
CIELab	56.12, 30.39, -27.70
CIELCh	56, 41.120, 317.644
Yxy	24.0340, 0.2960, 0.2354
Android (android.graphics.Color)	4288968119 (0xFFA475B7)
YUV	138.5770, 21.9005, 22.2960
Hunter-Lab	49.0245, 24.2334, -23.5477

Details

The RYB color **164, 117, 183** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 183, 164**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **220, 170, 239**, and **111, 68, 130** is the 20% darker color. If you saturate the color by 10%, you get **159, 99, 183**, and if you desaturate by 10%, it is **169, 135, 183**.

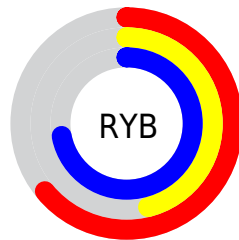
Distribution



Red (64%)

Green (46%)

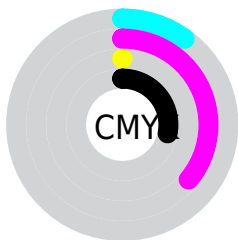
Blue (72%)



Red (64%)

Yellow (46%)

Blue (72%)

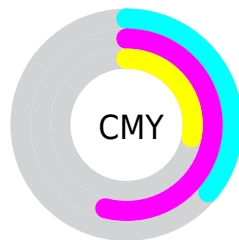


Cyan (10%)

Magenta (36%)

Yellow (0%)

Black (28%)



Cyan (36%)


Magenta (54%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 117, 183 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 164, 117, 183 by changing the saturation by 10% instead.

 164, 117, 183

255, 255, 255


 220, 170, 239

 249, 197, 255


 255, 225, 255

255, 254, 255


 164, 117, 183

 164, 117, 183

 137, 92, 156

 111, 68, 130

 86, 44, 104

 61, 21, 80

 38, 0, 57

 10, 0, 35


 0, 0, 9

 0, 0, 0


 164, 117, 183


 159, 99, 183


 169, 135, 183

 153, 80, 183

 175, 154, 183

 148, 62, 183

 180, 172, 183

 143, 44, 183

 183, 190, 188

 138, 26, 183

 183, 209, 202

 132, 7, 183

 183, 227, 214

 130, 0, 183

 183, 245, 227

 183, 255, 232

 183, 255, 227

Harmonies

Analogous

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



113, 128, 203



164, 117, 183



193, 106, 151

Triad

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



164, 117, 183



134, 169, 64



0, 77, 155

Complementary

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



164, 117, 183



117, 183, 164

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.



32, 102, 152



164, 117, 183



64, 139, 68

Square

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



164, 117, 183



193, 126, 83



85, 147, 138



0, 83, 186

Rectangle

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



164, 117, 183



202, 105, 127



85, 147, 138



0, 79, 153

Sweetspot

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



164, 117, 183



230, 211, 237



117, 132, 183



115, 104, 120



247, 247, 247



120, 120, 120

Same Dimension

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



164, 117, 183



208, 135, 237



183, 117, 170



89, 83, 92



111, 0, 156



20, 0, 28

Inverse Universe

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



183, 117, 136



237, 135, 165



117, 172, 183



92, 83, 85



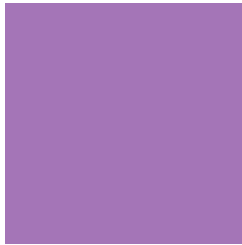
156, 0, 45



28, 0, 8

Previews

White Background



This preview shows how the RYB color 164, 117, 183 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 164, 117, 183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

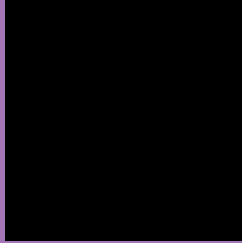
Any Text WCAG AA ✓ Pass

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 164, 117, 183 Background



This preview shows how black text looks on a background with the RYB color 164, 117, 183.

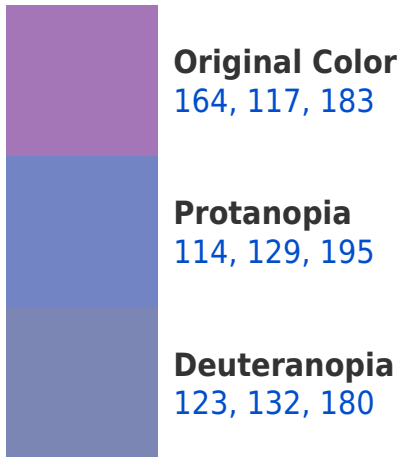


This preview shows how white text looks on a background with the RYB color 164, 117, 183.

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
157, 127, 136

Trichromacy



Original Color
164, 117, 183

Protanomaly
132, 127, 191

Deuteranomaly
138, 127, 181

Tritanomaly
160, 123, 153

Monochromacy



Original Color
164, 117, 183

Achromatopsia
139, 139, 139

Achromatomaly
148, 131, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 117, 183 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(164, 117, 183)` looks like.

```
.text, #text, p{  
    color:rgb(164, 117, 183)  
}
```

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(164, 117, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 117, 183) }
```

Border

The CSS property to change the border of an element to RYB 164, 117, 183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

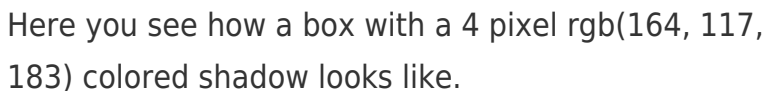
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 117, 183) }
```

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

```
.border{ border-color:rgb(164, 117, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 117, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 117, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 117, 183); box-shadow:4px 4px 4px 4px rgb(164, 117, 183) }
```

Background

The CSS property to change the background color of an element to RYB 164, 117, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 117, 183) }
```

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

```
.background{ background-color: rgb(164,  
117, 183) }
```

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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