

Converting Colors

`RYB(166, 115, 186)`

Have a look what the booklet for
RYB(166, 115, 186) contains.

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Color

R_YB(166, 115, 186)

Conversions

Conversions Part 1

Format	Color
Hex	A673BA
RGB	166, 115, 186
RGB Percent	65%, 45%, 73%
CMY	0.3490, 0.5490, 0.2706
CMYK	0.11, 0.38, 0.00, 0.27
HSL	283°, 34%, 59%
HSV	283°, 38%, 73%
XYZ	30.7195, 23.9136, 49.4511
YIQ	138.3430, 7.6050, 32.8930

Conversions

Conversions Part 2

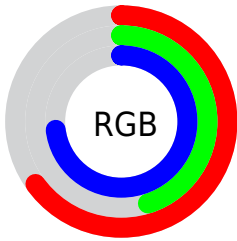
Format	Color
RYB	166, 115, 186
Decimal	10908602
CIELab	56.00, 32.78, -29.59
CIELCh	56, 44.164, 317.927
Yxy	23.9136, 0.2951, 0.2298
Android (android.graphics.Color)	4289098682 (0xFFA673BA)
YUV	138.3430, 23.4949, 24.2552
Hunter-Lab	48.9016, 26.5544, -25.7251

Details

The RYB color **166, 115, 186** is a light color, and the websafe version is hex **996699**. A complement of this color would be **115, 186, 166**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **222, 168, 242**, and **113, 65, 133** is the 20% darker color. If you saturate the color by 10%, you get **161, 96, 186**, and if you desaturate by 10%, it is **171, 134, 186**.

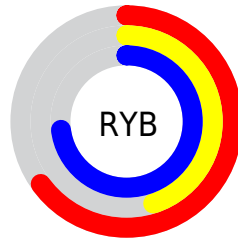
Distribution



Red (65%)

Green (45%)

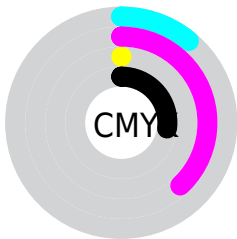
Blue (73%)



Red (65%)

Yellow (45%)

Blue (73%)

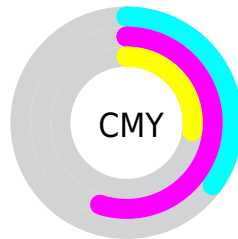


Cyan (11%)

Magenta (38%)

Yellow (0%)

Black (27%)



Cyan (35%)

Magenta (55%)

Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the RYB color 166, 115, 186 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 166, 115, 186 by changing the saturation by 10% instead.

 166, 115, 186


255, 255, 255

 222, 168, 242

 251, 195, 255

 255, 223, 255

 255, 252, 255

 166, 115, 186

 139, 90, 159

 113, 65, 133

 87, 42, 107

 63, 18, 83


 39, 0, 59


 12, 0, 37


 0, 1, 13

 0, 0, 0


 166, 115, 186


 166, 115, 186


 161, 96, 186

 171, 134, 186

 156, 78, 186


 176, 152, 186

 150, 59, 186

 182, 171, 186

 145, 41, 186

 186, 189, 188

 140, 22, 186

 186, 208, 202

 135, 3, 186

 186, 227, 216

 134, 0, 186

 186, 245, 228

 186, 255, 233

 186, 255, 228

Harmonies

Analogous

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



111, 127, 207



166, 115, 186



197, 103, 151

Triad

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



166, 115, 186



126, 170, 57



0, 78, 157

Complementary

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



166, 115, 186



115, 186, 166

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, 87, 153



166, 115, 186



58, 139, 63

Square

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



166, 115, 186



195, 125, 79



81, 148, 139



0, 84, 190

Rectangle

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



166, 115, 186



206, 101, 125



81, 148, 139



0, 80, 154

Sweetspot

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



166, 115, 186



235, 216, 242



115, 131, 186



118, 106, 122



250, 250, 250



122, 122, 122

Same Dimension

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



166, 115, 186



211, 131, 242



186, 115, 171



89, 83, 92



112, 0, 156



20, 0, 28

Inverse Universe

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



186, 115, 135



242, 131, 162



115, 174, 186



92, 83, 85



156, 0, 44



28, 0, 8

Previews

White Background



This preview shows how the RYB color 166, 115, 186 looks on a white background.

Color Contrast Check

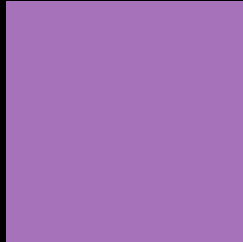
Large Text (above 18pt) WCAG AA ✓ Pass

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 166, 115, 186 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 166, 115, 186 Background



This preview shows how black text looks on a background with the RYB color 166, 115, 186.

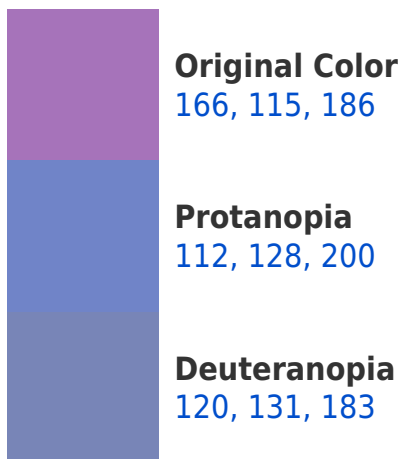



This preview shows how white text looks on a background with the RYB color 166, 115, 186.

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
158, 126, 135

Trichromacy



Original Color
166, 115, 186

Protanomaly
132, 126, 195

Deuteranomaly
137, 126, 184

Tritanomaly
161, 122, 154

Monochromacy



Original Color
166, 115, 186

Achromatopsia
138, 138, 138

Achromatomaly
148, 130, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 115, 186 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(166, 115, 186)` looks like.

```
.text, #text, p{  
    color:rgb(166, 115, 186)  
}
```

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(166, 115, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 115, 186) }
```

Border

The CSS property to change the border of an element to RYB 166, 115, 186 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(166, 115, 186) }
```

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

```
.border{ border-color:rgb(166, 115, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 115, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 115, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 115, 186);  
box-shadow:4px 4px 4px 4px rgb(166, 115,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 166, 115, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 115, 186) }
```

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

```
.background{ background-color: rgb(166,  
115, 186) }
```

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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