

Converting Colors

`RYB(164, 97, 158)`

Have a look what the booklet for
RYB(164, 97, 158) contains.

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Color

R_YB(164, 97, 158)

Conversions

Conversions Part 1

Format	Color
Hex	A4619E
RGB	164, 97, 158
RGB Percent	64%, 38%, 62%
CMY	0.3569, 0.6196, 0.3804
CMYK	0.00, 0.41, 0.04, 0.36
HSL	305°, 27%, 51%
HSV	305°, 41%, 64%
XYZ	25.7561, 18.9105, 34.6404
YIQ	123.9870, 20.3510, 33.1750

Conversions

Conversions Part 2

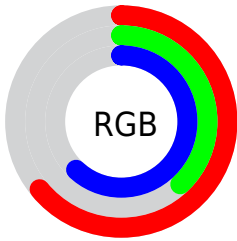
Format	Color
RYB	164, 97, 158
Decimal	10772894
CIELab	50.58, 36.56, -21.74
CIELCh	51, 42.537, 329.270
Yxy	18.9105, 0.3248, 0.2384
Android (android.graphics.Color)	4288962974 (0xFFA4619E)
YUV	123.9870, 16.7684, 35.0914
Hunter-Lab	43.4862, 29.6213, -16.7890

Details

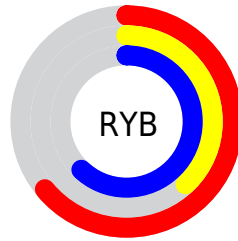
The RYB color **164, 97, 158** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **97, 158, 164**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **220, 149, 213**, and **111, 47, 106** is the 20% darker color. If you saturate the color by 10%, you get **164, 81, 157**, and if you desaturate by 10%, it is **164, 113, 159**.

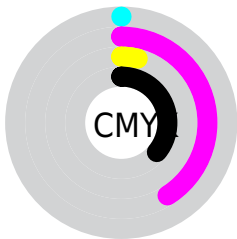
Distribution



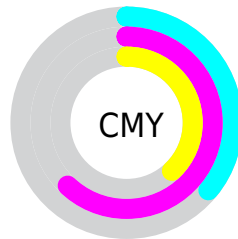
- Red (64%)
- Green (38%)
- Blue (62%)



- Red (64%)
- Yellow (38%)
- Blue (62%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 97, 158 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, 97, 158 by changing the saturation by 10% instead.

 164, 97, 158

255, 255, 255

 220, 149, 213


 249, 176, 241

 255, 204, 255

 255, 233, 255

 164, 97, 158

 137, 72, 132

 111, 47, 106

 85, 22, 82

 60, 0, 59

 40, 0, 37

 0, 1, 13

 0, 0, 0


 164, 97, 158

 164, 81, 157

 164, 97, 158

 164, 113, 159


 164, 64, 155

 164, 130, 161


 164, 48, 154

 164, 146, 162

 164, 31, 152

 164, 163, 164

 164, 15, 151

 164, 178, 179

 164, 0, 149

 164, 192, 195

 164, 208, 212

 164, 223, 228

 164, 239, 245

Harmonies

Analogous

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



121, 111, 184



164, 97, 158



185, 89, 123

Triad

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



164, 97, 158



77, 142, 45



0, 73, 155

Complementary

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



164, 97, 158



97, 158, 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.



0, 74, 138



164, 97, 158



54, 129, 78

Square

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



164, 97, 158



170, 139, 58



58, 117, 135



0, 77, 182

Rectangle

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



164, 97, 158



188, 90, 98



58, 117, 135



0, 70, 143

Sweetspot

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



164, 97, 158



214, 188, 212



103, 97, 164



107, 92, 106



235, 235, 235



107, 107, 107

Same Dimension

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



164, 97, 158



214, 109, 205



164, 97, 125



82, 73, 81



145, 0, 132



18, 0, 16

Inverse Universe

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



164, 97, 158



214, 109, 205



97, 139, 164



82, 73, 81



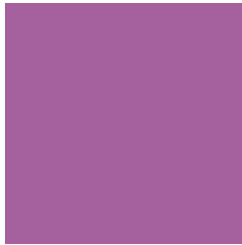
145, 0, 132



18, 0, 16

Previews

White Background



This preview shows how the RYB color 164, 97, 158 looks on a white background.

Color Contrast Check

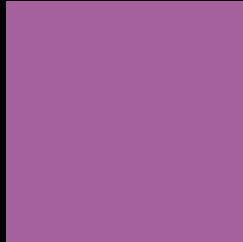
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

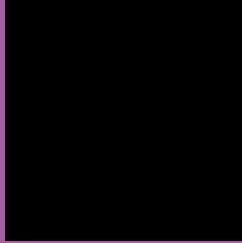
Any Text WCAG AA ✓ Pass

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, 97, 158 Background



This preview shows how black text looks on a background with the RYB color 164, 97, 158.

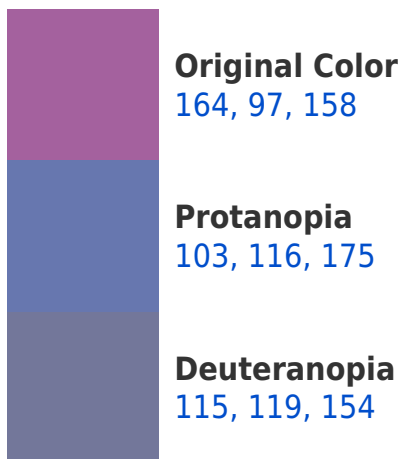



This preview shows how white text looks on a background with the RYB color 164, 97, 158.

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
159, 106, 114

Trichromacy



Original Color
164, 97, 158

Protanomaly
125, 111, 169

Deuteranomaly
133, 111, 155

Tritanomaly
161, 103, 130

Monochromacy



Original Color
164, 97, 158

Achromatopsia
124, 124, 124

Achromatomaly
139, 114, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 97, 158 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, 97, 158)` looks like.

```
.text, #text, p{  
    color:rgb(164, 97, 158)  
}
```

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, 97, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 97, 158) }
```

Border

The CSS property to change the border of an element to RYB 164, 97, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

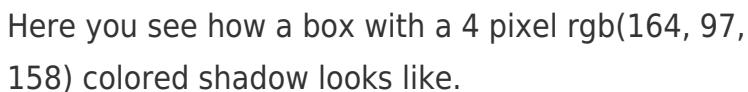
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 97, 158) }
```

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

```
.border{ border-color:rgb(164, 97, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 97, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 97, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 97, 158);  
box-shadow:4px 4px 4px 4px rgb(164, 97,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 164, 97, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 97, 158) }
```

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

```
.background{ background-color: rgb(164, 97,  
158) }
```

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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