

Converting Colors

`RYB(164, 98, 171)`

Have a look what the booklet for
RYB(164, 98, 171) contains.

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Color

R_YB(164, 98, 171)

Conversions

Conversions Part 1

Format	Color
Hex	A462AB
RGB	164, 98, 171
RGB Percent	64%, 38%, 67%
CMY	0.3569, 0.6157, 0.3294
CMYK	0.04, 0.43, 0.00, 0.33
HSL	294°, 30%, 53%
HSV	294°, 43%, 67%
XYZ	27.0282, 19.5682, 40.8806
YIQ	126.0560, 15.9030, 36.6950

Conversions

Conversions Part 2

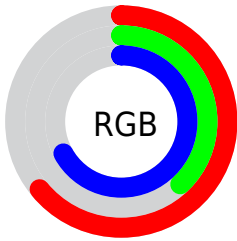
Format	Color
RYB	164, 98, 171
Decimal	10773163
CIELab	51.35, 38.52, -28.17
CIELCh	51, 47.719, 323.819
Yxy	19.5682, 0.3090, 0.2237
Android (android.graphics.Color)	4288963243 (0xFFA462AB)
YUV	126.0560, 22.1574, 33.2769
Hunter-Lab	44.2359, 31.6510, -23.8277

Details

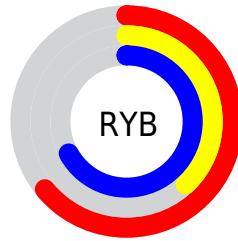
The RYB color **164, 98, 171** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **98, 171, 164**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **220, 150, 227**, and **110, 48, 118** is the 20% darker color. If you saturate the color by 10%, you get **162, 81, 171**, and if you desaturate by 10%, it is **166, 115, 171**.

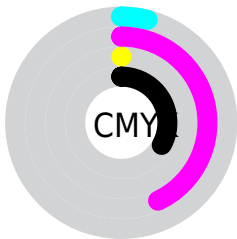
Distribution



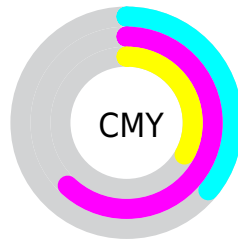
- Red (64%)
- Green (38%)
- Blue (67%)



- Red (64%)
- Yellow (38%)
- Blue (67%)



- Cyan (4%)
- Magenta (43%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 98, 171 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, 98, 171 by changing the saturation by 10% instead.

 164, 98, 171

255, 255, 255

 220, 150, 227

 249, 178, 255


 255, 205, 255

 255, 234, 255

 164, 98, 171

 137, 73, 144

 110, 48, 118

 85, 23, 93

 60, 0, 70

 39, 0, 47

 0, 0, 25

 0, 0, 0

 164, 98, 171

 162, 81, 171

 164, 98, 171

 166, 115, 171

161, 64, 171

167, 132, 171

159, 47, 171

169, 149, 171

157, 30, 171

171, 166, 171

156, 13, 171

171, 183, 182

155, 0, 171

171, 201, 198

171, 218, 214

171, 235, 229

171, 252, 244

Harmonies

Analogous

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



109, 115, 197



164, 98, 171



192, 86, 133

Triad

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



164, 98, 171



86, 152, 36



0, 74, 154

Complementary

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



164, 98, 171



98, 171, 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, 79, 142



164, 98, 171



42, 130, 59

Square

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



164, 98, 171



181, 128, 57



61, 128, 138



0, 79, 187

Rectangle

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



164, 98, 171



197, 86, 105



61, 128, 138



0, 71, 142

Sweetspot

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



164, 98, 171



219, 193, 222



98, 104, 171



110, 94, 112



240, 240, 240



112, 112, 112

Same Dimension

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



164, 98, 171



211, 109, 222



171, 98, 142



86, 78, 87



136, 0, 150



21, 0, 23

Inverse Universe

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



171, 98, 105



222, 109, 120



98, 150, 171



87, 78, 79



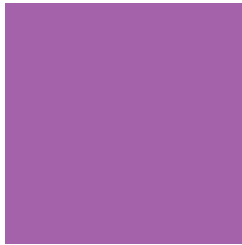
150, 0, 14



23, 0, 2

Previews

White Background



This preview shows how the RYB color 164, 98, 171 looks on a white background.

Color Contrast Check

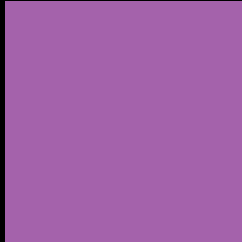
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

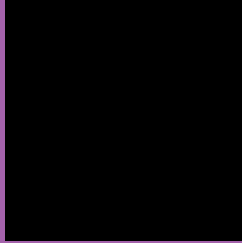
Any Text WCAG AA ✓ Pass

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](#).

RGB 164, 98, 171 Background



This preview shows how black text looks on a background with the RGB color 164, 98, 171.

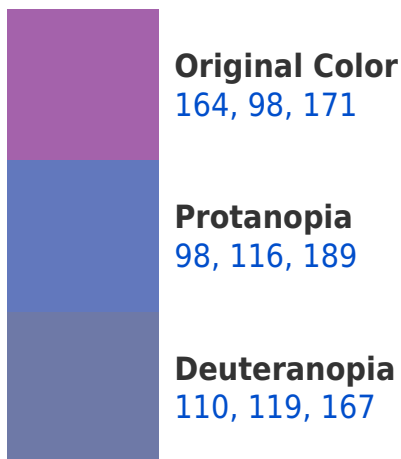


This preview shows how white text looks on a background with the RGB color 164, 98, 171.

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, 110, 118

Trichromacy



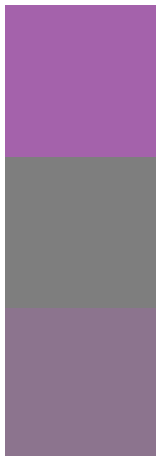
Original Color
164, 98, 171

Protanomaly
122, 112, 182

Deuteranomaly
130, 113, 168

Tritanomaly
160, 106, 137

Monochromacy



Original Color
164, 98, 171

Achromatopsia
126, 126, 126

Achromatomaly
140, 116, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 98, 171 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, 98, 171)` looks like.

```
.text, #text, p{  
    color:rgb(164, 98, 171)  
}
```

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, 98, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 98, 171) }
```

Border

The CSS property to change the border of an element to RYB 164, 98, 171 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, 98, 171) }
```

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

```
.border{ border-color:rgb(164, 98, 171) }
```

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

Here you see how a box with a 4 pixel rgb(164, 98, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 98, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 98, 171);  
box-shadow:4px 4px 4px 4px rgb(164, 98,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 164, 98, 171 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 98, 171) }
```

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

```
.background{ background-color: rgb(164, 98,  
171) }
```

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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