

Converting Colors

`RYB(164, 137, 171)`

Have a look what the booklet for RYB(164, 137, 171) contains.

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Color

R_YB(164, 137, 171)

Conversions

Conversions Part 1

Format	Color
Hex	A489AB
RGB	164, 137, 171
RGB Percent	64%, 54%, 67%
CMY	0.3569, 0.4627, 0.3294
CMYK	0.04, 0.20, 0.00, 0.33
HSL	288°, 17%, 60%
HSV	288°, 20%, 67%
XYZ	31.6062, 28.7241, 42.4066
YIQ	148.9490, 5.1780, 16.2980

Conversions

Conversions Part 2

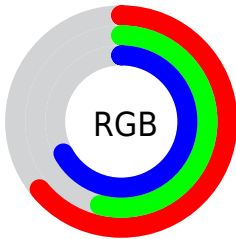
Format	Color
RYB	164, 137, 171
Decimal	10783147
CIELab	60.54, 16.50, -14.10
CIElCh	61, 21.701, 319.494
Yxy	28.7241, 0.3076, 0.2796
Android (android.graphics.Color)	4288973227 (0xFFA489AB)
YUV	148.9490, 10.8711, 13.1997
Hunter-Lab	53.5949, 11.4747, -9.3964

Details

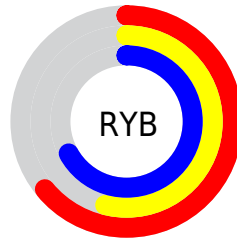
The RYB color **164, 137, 171** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **137, 171, 164**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **219, 190, 226**, and **112, 87, 119** is the 20% darker color. If you saturate the color by 10%, you get **160, 120, 171**, and if you desaturate by 10%, it is **168, 154, 171**.

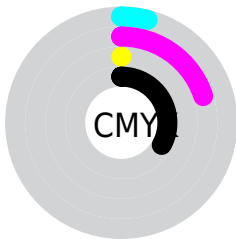
Distribution



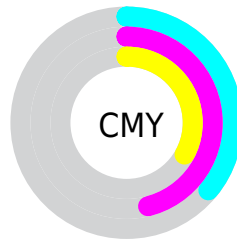
- Red (64%)
- Green (54%)
- Blue (67%)



- Red (64%)
- Yellow (54%)
- Blue (67%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 137, 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, 137, 171 by changing the saturation by 10% instead.

 164, 137, 171


255, 255, 255

 219, 190, 226

 248, 218, 255

 255, 247, 255


 164, 137, 171

 138, 112, 144

 112, 87, 119


 87, 64, 94

 64, 41, 70


 41, 20, 48

 23, 0, 27

 0, 0, 0

 164, 137, 171

 160, 120, 171

 164, 137, 171

 168, 154, 171

157, 103, 171

171, 171, 171

153, 86, 171

171, 188, 184

150, 69, 171

171, 205, 198

146, 51, 171

171, 222, 211

143, 34, 171

171, 240, 226

139, 17, 171

171, 255, 237

136, 0, 171

171, 255, 234

171, 255, 230

Harmonies

Analogous

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



140, 143, 182



164, 137, 171



180, 133, 154

Triad

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



164, 137, 171



150, 166, 109



91, 124, 158

Complementary

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



164, 137, 171



137, 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.



105, 136, 156



164, 137, 171



110, 149, 112

Square

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



164, 137, 171



180, 143, 118



121, 154, 150



94, 128, 174

Rectangle

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



164, 137, 171



185, 132, 140



121, 154, 150



94, 127, 157

Sweetspot

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



164, 137, 171



219, 209, 222



137, 143, 171



111, 104, 112



240, 240, 240



112, 112, 112

Same Dimension

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



164, 137, 171



211, 169, 222



171, 137, 161



85, 78, 87



119, 0, 150



18, 0, 23

Inverse Universe

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



171, 137, 144



222, 169, 180



137, 163, 171



87, 78, 80



150, 0, 31



23, 0, 5

Previews

White Background



This preview shows how the RYB color 164, 137, 171 looks on a white background.

Color Contrast Check

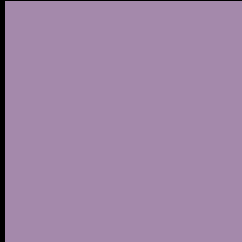
Large Text (above 18pt) WCAG AA ✓ Pass

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, 137, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

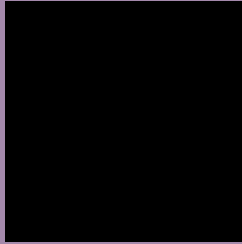
Any Text WCAG AA ✓ Pass

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](#).

RYP 164, 137, 171 Background



This preview shows how black text looks on a background with the RYB color 164, 137, 171.



This preview shows how white text looks on a background with the RYB color 164, 137, 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



Original Color
164, 137, 171

Protanopia
139, 144, 176

Deuteranopia
149, 143, 170



Tritanopia
161, 140, 151

Trichromacy



Original Color
164, 137, 171

Protanomaly
148, 142, 174

Deuteranomaly
154, 141, 170

Tritanomaly
162, 139, 158

Monochromacy



Original Color
164, 137, 171

Achromatopsia
149, 149, 149

Achromatomaly
154, 145, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 137, 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, 137, 171) looks like.

```
.text, #text, p{  
    color:rgb(164, 137, 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, 137, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 137, 171) }
```

Border

The CSS property to change the border of an element to RYB 164, 137, 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, 137, 171) }
```

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

```
.border{ border-color:rgb(164, 137, 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, 137, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 137, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 137, 171);  
box-shadow:4px 4px 4px 4px rgb(164, 137,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 164, 137, 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, 137, 171) }
```

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

```
.background{ background-color: rgb(164,  
137, 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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