

Converting Colors

`RYB(164, 87, 137)`

Have a look what the booklet for
RYB(164, 87, 137) contains.

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Color

R_YB(164, 87, 137)

Conversions

Conversions Part 1

Format	Color
Hex	A45789
RGB	164, 87, 137
RGB Percent	64%, 34%, 54%
CMY	0.3569, 0.6588, 0.4627
CMYK	0.00, 0.47, 0.16, 0.36
HSL	321°, 31%, 49%
HSV	321°, 47%, 64%
XYZ	23.2334, 16.5150, 25.6301
YIQ	115.7230, 29.8420, 31.8740

Conversions

Conversions Part 2

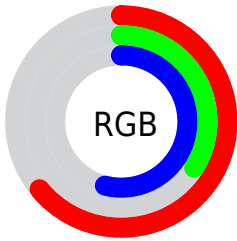
Format	Color
RYB	164, 87, 137
Decimal	10770313
CIELab	47.64, 38.30, -13.76
CIElCh	48, 40.701, 340.242
Yxy	16.5150, 0.3554, 0.2526
Android (android.graphics.Color)	4288960393 (0xFFA45789)
YUV	115.7230, 10.4896, 42.3389
Hunter-Lab	40.6387, 30.9318, -8.9460

Details

The RYB color **164, 87, 137** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **87, 144, 164**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **221, 139, 190**, and **110, 37, 87** is the 20% darker color. If you saturate the color by 10%, you get **164, 71, 131**, and if you desaturate by 10%, it is **164, 103, 143**.

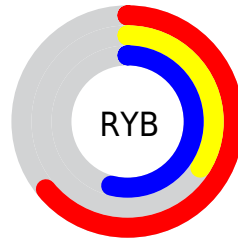
Distribution



Red (64%)

Green (34%)

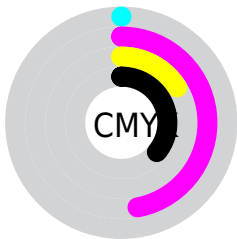
Blue (54%)



Red (64%)

Yellow (34%)

Blue (54%)

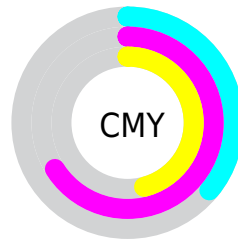


Cyan (0%)

Magenta (47%)

Yellow (16%)

Black (36%)



Cyan (36%)

Magenta (66%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 87, 137 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, 87, 137 by changing the saturation by 10% instead.



164, 87, 137



164, 87, 137

255, 255, 255



137, 62, 112



221, 139, 190



110, 37, 87



250, 166, 218



84, 8, 64



255, 194, 247



59, 0, 42



255, 222, 255



37, 0, 21



255, 251, 255



0, 0, 0



164, 87, 137



164, 87, 137



164, 71, 131



164, 103, 143



164, 54, 125



164, 120, 149

164, 38, 120

164, 136, 154

164, 21, 114

164, 153, 160

164, 5, 108

164, 168, 169

164, 0, 106

164, 179, 185

164, 192, 202

164, 204, 218

164, 217, 235

Harmonies

Analogous

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



131, 99, 166



164, 87, 137



177, 83, 103

Triad

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



164, 87, 137



48, 121, 42



0, 71, 156

Complementary

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



164, 87, 137



87, 144, 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, 67, 130



164, 87, 137



58, 124, 98

Square

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



164, 87, 137



136, 151, 47



26, 90, 129



0, 73, 177

Rectangle

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



164, 87, 137



175, 88, 80



26, 90, 129



0, 69, 147

Sweetspot

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



164, 87, 137



214, 184, 204



114, 87, 164



107, 89, 101



235, 235, 235



107, 107, 107

Same Dimension

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



164, 87, 137



214, 94, 172



164, 87, 99



82, 73, 79



145, 0, 94



18, 0, 12

Inverse Universe

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



164, 87, 137



214, 94, 172



87, 129, 164



82, 73, 79



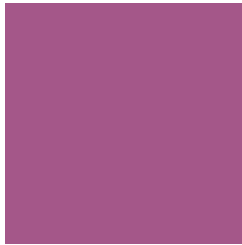
145, 0, 94



18, 0, 12

Previews

White Background



This preview shows how the RYB color 164, 87, 137 looks on a white background.

Color Contrast Check

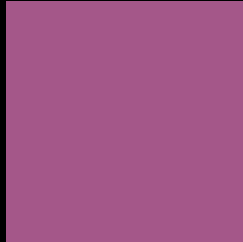
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 164, 87, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

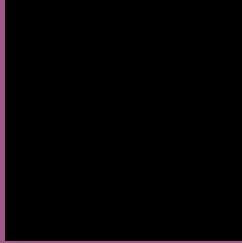
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 164, 87, 137 Background



This preview shows how black text looks on a background with the RYB color 164, 87, 137.



This preview shows how white text looks on a background with the RYB color 164, 87, 137.

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, 87, 137

Protanopia
101, 110, 155

Deuteranopia
115, 111, 133



Tritanopia
160, 94, 101

Trichromacy



Original Color
164, 87, 137

Protanomaly
124, 103, 148

Deuteranomaly
133, 102, 134

Tritanomaly
161, 91, 114

Monochromacy



Original Color
164, 87, 137

Achromatopsia
116, 116, 116

Achromatomaly
133, 105, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 87, 137 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, 87, 137)` looks like.

```
.text, #text, p{  
    color:rgb(164, 87, 137)  
}
```

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, 87, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 87, 137) }
```

Border

The CSS property to change the border of an element to RYB 164, 87, 137 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, 87, 137) }
```

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

```
.border{ border-color:rgb(164, 87, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 87, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 87, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 87, 137);  
box-shadow:4px 4px 4px 4px rgb(164, 87,  
137) }
```

Background

The CSS property to change the background color of an element to RGB 164, 87, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 87, 137) }
```

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

```
.background{ background-color: rgb(164, 87,  
137) }
```

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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