

Converting Colors

`RYB(187, 102, 151)`

Have a look what the booklet for
RYB(187, 102, 151) contains.

RYB(187, 102, 151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(187, 102, 151)

Conversions

Conversions Part 1

Format	Color
Hex	BB6697
RGB	187, 102, 151
RGB Percent	73%, 40%, 59%
CMY	0.2667, 0.6000, 0.4078
CMYK	0.00, 0.45, 0.19, 0.27
HSL	325°, 38%, 57%
HSV	325°, 45%, 73%
XYZ	30.8308, 22.3019, 31.9579
YIQ	133.0010, 34.9310, 33.2590

Conversions

Conversions Part 2

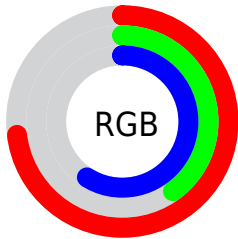
Format	Color
R_{YB}	187, 102, 151
Decimal	12281495
CIE _{Lab}	54.35, 40.33, -11.63
CIE _{LCh}	54, 41.974, 343.918
Yxy	22.3019, 0.3623, 0.2621
Android (android.graphics.Color)	4290471575 (0xFFBB6697)
YUV	133.0010, 8.8735, 47.3571
Hunter-Lab	47.2249, 33.8903, -7.0651

Details

The RYB color **187, 102, 151** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **102, 162, 187**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **245, 155, 205**, and **132, 51, 100** is the 20% darker color. If you saturate the color by 10%, you get **187, 83, 143**, and if you desaturate by 10%, it is **187, 121, 159**.

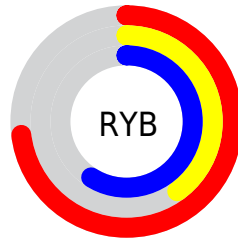
Distribution



Red (73%)

Green (40%)

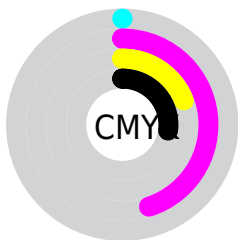
Blue (59%)



Red (73%)

Yellow (40%)

Blue (59%)

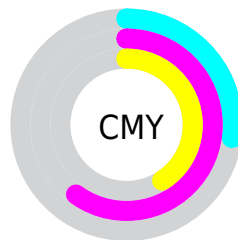


Cyan (0%)

Magenta (45%)

Yellow (19%)

Black (27%)



Cyan (27%)

Magenta (60%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 102, 151 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 187, 102, 151 by changing the saturation by 10% instead.

 187, 102, 151

255, 255, 255


 245, 155, 205

 255, 183, 233

 255, 211, 255

 255, 239, 255

 187, 102, 151

 159, 76, 125

 132, 51, 100

 105, 25, 76

 79, 0, 53

 54, 0, 32

 29, 0, 5

 0, 0, 0

 187, 102, 151

 187, 83, 143

 187, 102, 151

 187, 121, 159

 187, 65, 135

 187, 139, 167

 187, 46, 127

 187, 158, 175

 187, 27, 119

 187, 177, 183

 187, 9, 111

 187, 193, 196

 187, 0, 108

 187, 206, 214

 187, 220, 233

 187, 233, 252

 187, 232, 255

Harmonies

Analogous

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



155, 114, 182



187, 102, 151



198, 100, 114

Triad

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



187, 102, 151



59, 135, 57



0, 80, 179

Complementary

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



187, 102, 151



102, 162, 187

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, 75, 148



187, 102, 151



76, 142, 123

Square

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



187, 102, 151



142, 168, 59



33, 101, 147



0, 82, 199

Rectangle

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



187, 102, 151



195, 106, 91



33, 101, 147



0, 79, 169

Sweetspot

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



187, 102, 151



242, 208, 228



137, 102, 187



122, 102, 114



250, 250, 250



122, 122, 122

Same Dimension

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



187, 102, 151



242, 109, 186



187, 102, 109



94, 85, 90



158, 0, 91



31, 0, 18

Inverse Universe

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



187, 102, 151



242, 109, 186



102, 146, 187



94, 85, 90



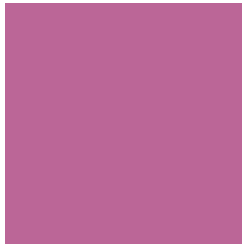
158, 0, 91



31, 0, 18

Previews

White Background



This preview shows how the RYB color 187, 102, 151 looks on a white background.

Color Contrast Check

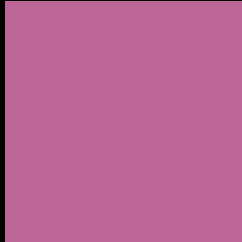
Large Text (above 18pt) WCAG AA ✓ Pass

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 187, 102, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

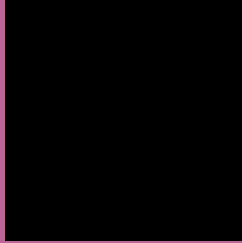
Any Text WCAG AA ✓ Pass

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 187, 102, 151 Background



This preview shows how black text looks on a background with the RYB color 187, 102, 151.

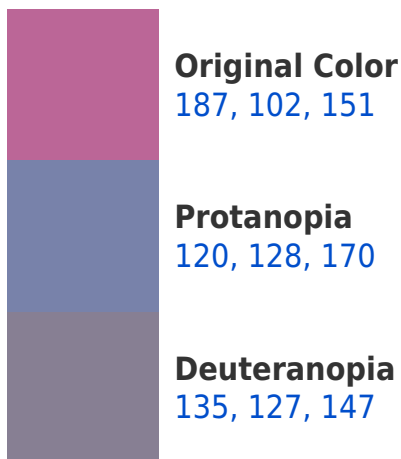



This preview shows how white text looks on a background with the RYB color 187, 102, 151.

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
183, 109, 117

Trichromacy



Original Color

187, 102, 151



Protanomaly

144, 119, 163



Deuteranomaly

154, 118, 148



Tritanomaly

184, 106, 129

Monochromacy



Original Color

187, 102, 151



Achromatopsia

133, 133, 133



Achromatomaly

153, 122, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 102, 151 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(187, 102, 151)` looks like.

```
.text, #text, p{  
    color:rgb(187, 102, 151)  
}
```

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(187, 102, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 102, 151) }
```

Border

The CSS property to change the border of an element to RYB 187, 102, 151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

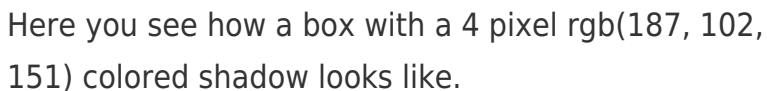
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 102, 151) }
```

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

```
.border{ border-color:rgb(187, 102, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 102, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 102, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 102, 151); box-shadow:4px 4px 4px 4px rgb(187, 102, 151) }
```

Background

The CSS property to change the background color of an element to RYB 187, 102, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 102, 151) }
```

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

```
.background{ background-color: rgb(187,  
102, 151) }
```

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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