

# Converting Colors

`RYB(187, 100, 155)`

Have a look what the booklet for  
RYB(187, 100, 155) contains.

<b>RYB(187, 100, 155)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(187, 100, 155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB649B
RGB	187, 100, 155
RGB Percent	73%, 39%, 61%
CMY	0.2667, 0.6078, 0.3922
CMYK	0.00, 0.47, 0.17, 0.27
HSL	322°, 39%, 56%
HSV	322°, 47%, 73%
XYZ	30.9671, 22.0457, 33.6334
YIQ	132.2830, 34.1970, 35.5490

# Conversions

## Conversions Part 2

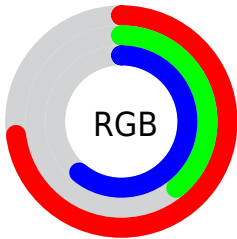
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 100, 155
Decimal	12280987
CIE <sub>Lab</sub>	54.08, 42.00, -14.38
CIE <sub>LCh</sub>	54, 44.395, 341.104
Y <sub>xy</sub>	22.0457, 0.3574, 0.2544
Android (android.graphics.Color)	4290471067 (0xFFBB649B)
YUV	132.2830, 11.1995, 47.9868
Hunter-Lab	46.9528, 35.5597, -9.6039

# Details

The RYB color **187, 100, 155** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **100, 164, 187**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **245, 153, 209**, and **132, 49, 104** is the 20% darker color. If you saturate the color by 10%, you get **187, 81, 148**, and if you desaturate by 10%, it is **187, 119, 162**.

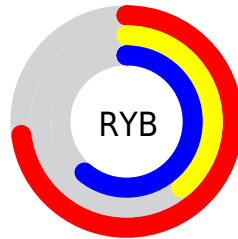
# Distribution



Red (73%)

Green (39%)

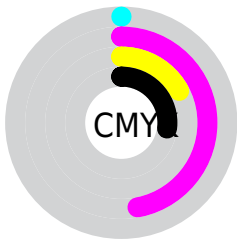
Blue (61%)



Red (73%)

Yellow (39%)

Blue (61%)

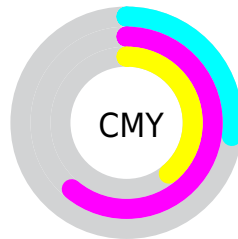


Cyan (0%)

Magenta (47%)

Yellow (17%)

Black (27%)



Cyan (27%)

Magenta (61%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 187, 100, 155 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, 100, 155 by changing the saturation by 10% instead.



 187, 100, 155

255, 255, 255

 245, 153, 209

 255, 181, 238

 255, 209, 255

 255, 238, 255

 187, 100, 155

 159, 74, 129

 132, 49, 104

 105, 21, 80

 79, 0, 57

 54, 0, 35

 28, 0, 11

 0, 0, 0

 187, 100, 155

 187, 81, 148

 187, 100, 155

 187, 119, 162

 187, 63, 141

 187, 137, 169

 187, 44, 134

 187, 156, 176

 187, 25, 127

 187, 175, 183

 187, 6, 121

 187, 192, 193

 187, 0, 118

 187, 205, 212

 187, 219, 231

 187, 233, 250

 187, 234, 255

# Harmonies

## Analogous

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



151, 113, 187



187, 100, 155



201, 96, 116

# Triad

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



187, 100, 155



56, 138, 50



0, 81, 179

# Complementary

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



187, 100, 155



100, 164, 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, 76, 149



187, 100, 155



69, 141, 114

# Square

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



187, 100, 155



151, 171, 56



29, 102, 147



0, 83, 201

# Rectangle

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



187, 100, 155



198, 102, 92



29, 102, 147



0, 79, 168



# Sweetspot

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



187, 100, 155



242, 208, 230



132, 100, 187



122, 102, 115



250, 250, 250



122, 122, 122



# Same Dimension

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



187, 100, 155



242, 107, 192



187, 100, 112



94, 85, 91



158, 0, 100



31, 0, 19



# Inverse Universe

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



187, 100, 155



242, 107, 192



100, 147, 187



94, 85, 91



158, 0, 100

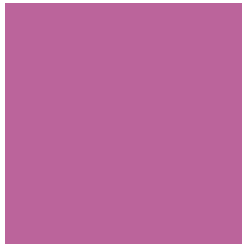


31, 0, 19



# Previews

## White Background



This preview shows how the RYB color 187, 100, 155 looks on a white background.

## Color Contrast Check

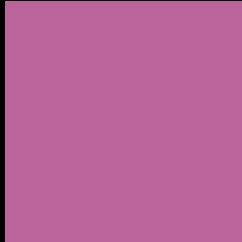
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100, 155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

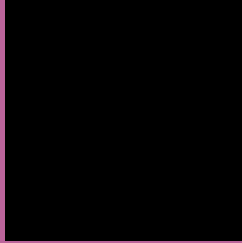
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 187, 100, 155 Background**



This preview shows how black text looks on a background with the RYB color 187, 100, 155.



This preview shows how white text looks on a background with the RYB color 187, 100, 155.

# 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**  
187, 100, 155

**Protanopia**  
116, 126, 175

**Deuteranopia**  
132, 127, 150



**Tritanopia**  
183, 108, 116

# Trichromacy



**Original Color**  
187, 100, 155

**Protanomaly**  
142, 118, 168

**Deuteranomaly**  
152, 117, 152

**Tritanomaly**  
184, 105, 130

# Monochromacy



**Original Color**  
187, 100, 155

**Achromatopsia**  
132, 132, 132

**Achromatomaly**  
152, 120, 140

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 187, 100, 155 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, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(187, 100, 155)  
}
```

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, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 100, 155) }
```

## Border

The CSS property to change the border of an element to RYB 187, 100, 155 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, 100, 155) }
```

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

```
.border{ border-color:rgb(187, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(187, 100,  
155) }
```

# Background

The CSS property to change the background color of an element to RYB 187, 100, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 100, 155) }
```

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

```
.background{ background-color: rgb(187,  
100, 155) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor