

# Converting Colors

`RYB(187, 100, 130)`

Have a look what the booklet for  
RYB(187, 100, 130) contains.

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# Color

**R<sub>Y</sub>B(187, 100, 130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB6482
RGB	187, 100, 130
RGB Percent	73%, 39%, 51%
CMY	0.2667, 0.6078, 0.4902
CMYK	0.00, 0.47, 0.30, 0.27
HSL	339°, 39%, 56%
HSV	339°, 47%, 73%
XYZ	29.0800, 21.2908, 23.6960
YIQ	129.4330, 42.2220, 27.7740

# Conversions

## Conversions Part 2

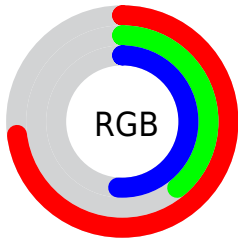
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 100, 130
Decimal	12280962
CIE Lab	53.27, 38.35, -0.88
CIE LCh	53, 38.364, 358.692
Yxy	21.2908, 0.3926, 0.2875
Android (android.graphics.Color)	4290471042 (0xFFBB6482)
YUV	129.4330, 0.2795, 50.4863
Hunter-Lab	46.1420, 31.7471, 1.8514

# Details

The RYB color **187, 100, 130** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **100, 153, 187**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **245, 153, 183**, and **131, 49, 81** is the 20% darker color. If you saturate the color by 10%, you get **187, 81, 118**, and if you desaturate by 10%, it is **187, 119, 142**.

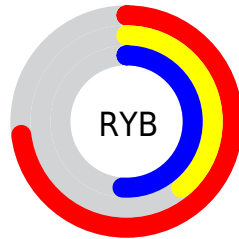
# Distribution



Red (73%)

Green (39%)

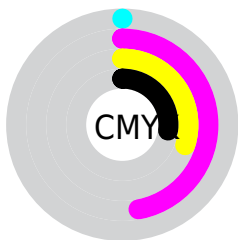
Blue (51%)



Red (73%)

Yellow (39%)

Blue (51%)

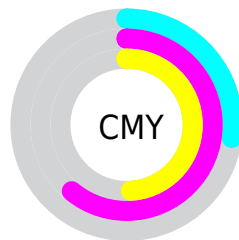


Cyan (0%)

Magenta (47%)

Yellow (30%)

Black (27%)



Cyan (27%)

Magenta (61%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 187, 100, 130 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, 130 by changing the saturation by 10% instead.



 187, 100, 130

255, 255, 255

 245, 153, 183


 255, 180, 210

 255, 208, 239

 255, 237, 255

 187, 100, 130

 159, 75, 105

 131, 49, 81


 104, 23, 58

 78, 0, 37

 54, 0, 15


 21, 0, 0

 0, 0, 0

 187, 100, 130

 187, 81, 118

 187, 100, 130

 187, 119, 142

 187, 63, 105

 187, 137, 155

 187, 44, 93

 187, 156, 167

 187, 25, 81

 187, 175, 179

 187, 6, 69

 187, 191, 193

 187, 0, 64

 187, 202, 212

 187, 214, 231

 187, 225, 250

 187, 225, 255

# Harmonies

## Analogous

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



167, 107, 162



187, 100, 130



189, 103, 97

# Triad

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



187, 100, 130



67, 135, 87



0, 79, 183

# Complementary

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



187, 100, 130



100, 153, 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, 158



187, 100, 130



74, 127, 141

# Square

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



187, 100, 130



91, 148, 60



0, 77, 144



67, 109, 193

# Rectangle

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



187, 100, 130



181, 122, 79



0, 77, 144



0, 78, 176



# Sweetspot

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



187, 100, 130



242, 208, 220



157, 100, 187



122, 102, 109



250, 250, 250



122, 122, 122



# Same Dimension

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



187, 100, 130



242, 107, 153



187, 115, 100



94, 85, 88



158, 0, 55



31, 0, 11



# Inverse Universe

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



187, 100, 130



242, 107, 153



100, 140, 187



94, 85, 88



158, 0, 55



31, 0, 11



# Previews

## White Background



This preview shows how the RYB color 187, 100, 130 looks on a white background.

## Color Contrast Check

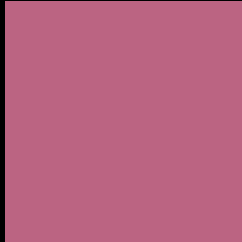
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130 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, 130 Background**



This preview shows how black text looks on a background with the RYB color 187, 100, 130.

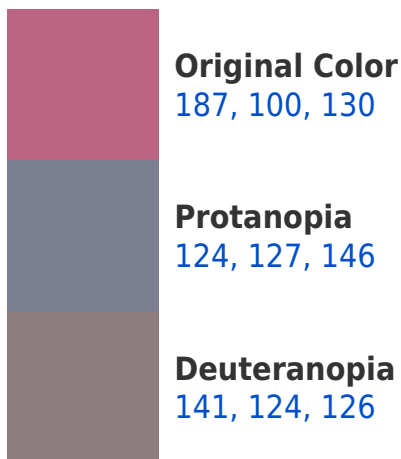



This preview shows how white text looks on a background with the RYB color 187, 100, 130.

# 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**  
185, 103, 111

# Trichromacy



**Original Color**  
187, 100, 130

**Protanomaly**  
147, 117, 140

**Deuteranomaly**  
158, 115, 127

**Tritanomaly**  
186, 102, 118

# Monochromacy



**Original Color**  
187, 100, 130

**Achromatopsia**  
129, 129, 129

**Achromatomaly**  
150, 118, 129

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 187, 100, 130 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(187, 100, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 100, 130) }
```

## Border

The CSS property to change the border of an element to RYB 187, 100, 130 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, 130) }
```

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

```
.border{ border-color:rgb(187, 100, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 100, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 100, 130);  
box-shadow:4px 4px 4px 4px rgb(187, 100,  
130) }
```

# Background

The CSS property to change the background color of an element to RYB 187, 100, 130 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, 130) }
```

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

```
.background{ background-color: rgb(187,  
100, 130) }
```

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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