

# Converting Colors

`RYB(180, 130, 175)`

Have a look what the booklet for RYB(180, 130, 175) contains.

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# Color

**R<sub>Y</sub>B(180, 130, 175)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B482AF
RGB	180, 130, 175
RGB Percent	71%, 51%, 69%
CMY	0.2941, 0.4902, 0.3137
CMYK	0.00, 0.28, 0.03, 0.29
HSL	306°, 25%, 61%
HSV	306°, 28%, 71%
XYZ	34.5429, 28.7637, 44.2888
YIQ	150.0800, 15.3550, 24.5950

# Conversions

## Conversions Part 2

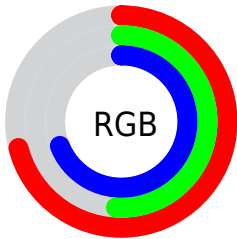
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 130, 175
Decimal	11829935
CIELab	60.57, 26.76, -16.16
CIELCh	61, 31.264, 328.867
Yxy	28.7637, 0.3210, 0.2673
Android (android.graphics.Color)	4290020015 (0xFFB482AF)
YUV	150.0800, 12.2856, 26.2398
Hunter-Lab	53.6318, 21.1117, -11.4190

# Details

The RYB color **180, 130, 175** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **130, 175, 180**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **236, 183, 231**, and **126, 80, 122** is the 20% darker color. If you saturate the color by 10%, you get **180, 112, 173**, and if you desaturate by 10%, it is **180, 148, 177**.

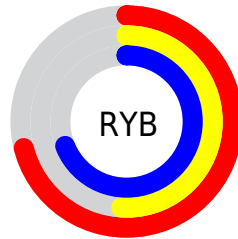
# Distribution



Red (71%)

Green (51%)

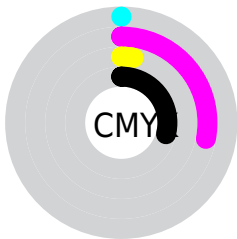
Blue (69%)



Red (71%)

Yellow (51%)

Blue (69%)

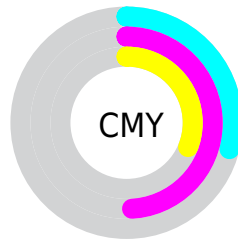


Cyan (0%)

Magenta (28%)

Yellow (3%)

Black (29%)



Cyan (29%)

Magenta (49%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 180, 130, 175 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 180, 130, 175 by changing the saturation by 10% instead.




 180, 130, 175


255, 255, 255

 236, 183, 231


 255, 211, 255


 255, 240, 255

 180, 130, 175

 153, 104, 148

 126, 80, 122

 101, 56, 98

 76, 33, 74


 52, 10, 51


 34, 0, 30


 0, 0, 0

 180, 130, 175


 180, 112, 173


 180, 130, 175


 180, 148, 177

 180, 94, 171

 180, 166, 179

 180, 76, 170


 180, 184, 184

 180, 58, 168

 180, 200, 202

 180, 40, 166

 180, 216, 220

 180, 22, 164

 180, 233, 238

 180, 4, 162

 180, 248, 255

 180, 0, 162

 180, 247, 255

 180, 245, 255

# Harmonies

## Analogous

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



148, 139, 194



180, 130, 175



198, 125, 148

# Triad

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



180, 130, 175



122, 166, 91



44, 105, 172

# Complementary

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



180, 130, 175



130, 175, 180

# 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.



70, 120, 161



180, 130, 175



97, 152, 112

# Square

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



180, 130, 175



188, 158, 100



104, 148, 158



62, 117, 193

# Rectangle

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



180, 130, 175



201, 126, 130



104, 148, 158



50, 106, 163



# Sweetspot

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



180, 130, 175



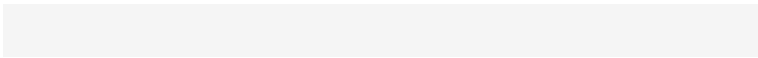
235, 216, 233



135, 130, 180



117, 106, 116



245, 245, 245



117, 117, 117



# Same Dimension

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



180, 130, 175



235, 157, 227



180, 130, 150



89, 80, 88



153, 0, 138



26, 0, 23



# Inverse Universe

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



180, 130, 175



235, 157, 227



130, 161, 180



89, 80, 88



153, 0, 138



26, 0, 23



# Previews

## White Background



This preview shows how the RYB color 180, 130, 175 looks on a white background.

## Color Contrast Check

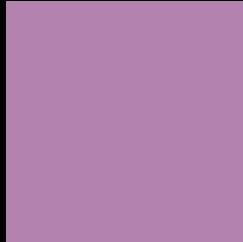
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 130, 175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

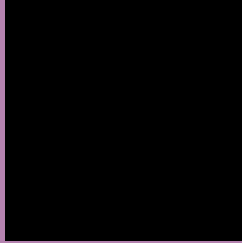
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 180, 130, 175 Background



This preview shows how black text looks on a background with the RYB color 180, 130, 175.



This preview shows how white text looks on a background with the RYB color 180, 130, 175.

# 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**  
180, 130, 175

**Protanopia**  
136, 144, 185

**Deuteranopia**  
148, 143, 173



**Tritanopia**  
176, 135, 146

# Trichromacy



**Original Color**  
180, 130, 175

**Protanomaly**  
152, 140, 181

**Deuteranomaly**  
160, 138, 174

**Tritanomaly**  
177, 133, 157

# Monochromacy



**Original Color**  
180, 130, 175

**Achromatopsia**  
150, 150, 150

**Achromatomaly**  
161, 143, 159

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 180, 130, 175 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(180, 130, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 130, 175)  
}
```

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(180, 130, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 130, 175) }
```

## Border

The CSS property to change the border of an element to RYB 180, 130, 175 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(180, 130, 175) }
```

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

```
.border{ border-color:rgb(180, 130, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 130, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 130, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 130, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 130,  
175) }
```

# Background

The CSS property to change the background color of an element to RYB 180, 130, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 130, 175) }
```

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

```
.background{ background-color: rgb(180,  
130, 175) }
```

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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