

Converting Colors

`RYB(180, 132, 207)`

Have a look what the booklet for
RYB(180, 132, 207) contains.

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Color

R_YB(180, 132, 207)

Conversions

Conversions Part 1

Format	Color
Hex	B484CF
RGB	180, 132, 207
RGB Percent	71%, 52%, 81%
CMY	0.2941, 0.4824, 0.1882
CMYK	0.13, 0.36, 0.00, 0.19
HSL	278°, 44%, 66%
HSV	278°, 36%, 81%
XYZ	38.3361, 30.7108, 62.9387
YIQ	154.9020, 4.5330, 33.5010

Conversions

Conversions Part 2

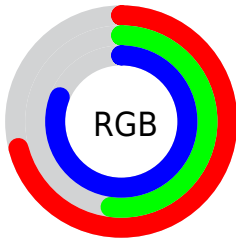
Format	Color
R_{YB}	180, 132, 207
Decimal	11830479
CIE _{Lab}	62.26, 32.09, -31.67
CIE _{LCh}	62, 45.081, 315.376
Yxy	30.7108, 0.2905, 0.2327
Android (android.graphics.Color)	4290020559 (0xFFB484CF)
YUV	154.9020, 25.6843, 22.0109
Hunter-Lab	55.4173, 26.5009, -28.5449

Details

The RYB color **180, 132, 207** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **132, 207, 180**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **237, 186, 255**, and **126, 82, 152** is the 20% darker color. If you saturate the color by 10%, you get **173, 111, 207**, and if you desaturate by 10%, it is **187, 153, 207**.

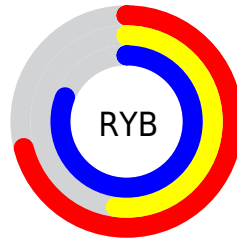
Distribution



Red (71%)

Green (52%)

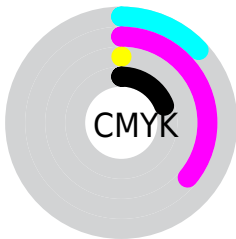
Blue (81%)



Red (71%)

Yellow (52%)

Blue (81%)

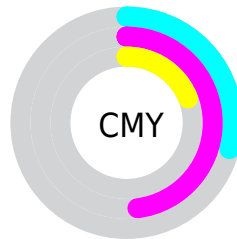


Cyan (13%)

Magenta (36%)

Yellow (0%)

Black (19%)



Cyan (29%)


Magenta (48%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 132, 207 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, 132, 207 by changing the saturation by 10% instead.


 180, 132, 207

255, 255, 255

 237, 186, 255


 255, 214, 255

 255, 242, 255

 180, 132, 207

 153, 106, 179

 126, 82, 152

 100, 58, 126

 75, 34, 101

 50, 11, 77

 29, 0, 54

 0, 2, 31

 0, 0, 3

 0, 0, 0

■ 180, 132, 207

■ 180, 132, 207

■ 173, 111, 207

■ 187, 153, 207

■ 165, 91, 207

■ 195, 173, 207

■ 158, 70, 207

■ 202, 194, 207

■ 150, 49, 207

■ 207, 215, 212

■ 143, 29, 207

■ 207, 236, 226

■ 135, 8, 207

■ 207, 255, 237

■ 132, 0, 207

■ 207, 255, 230

■ 207, 255, 222

■ 207, 255, 215

Harmonies

Analogous

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



121, 143, 228



180, 132, 207



215, 120, 172

Triad

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



180, 132, 207



158, 191, 72



0, 86, 171

Complementary

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



180, 132, 207



132, 207, 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.



43, 119, 170



180, 132, 207



70, 155, 71

Square

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



180, 132, 207



217, 138, 95



92, 164, 147



0, 93, 206

Rectangle

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



180, 132, 207



225, 117, 145



92, 164, 147



0, 89, 171

Sweetspot

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



180, 132, 207



245, 227, 255



132, 152, 207



122, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 132, 207



216, 145, 255



207, 132, 197



101, 94, 105



108, 0, 168



26, 0, 41

Inverse Universe

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



207, 132, 159



255, 145, 185



132, 198, 207



105, 94, 98



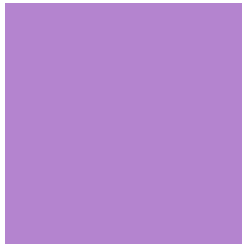
168, 0, 61



41, 0, 15

Previews

White Background



This preview shows how the RYB color 180, 132, 207 looks on a white background.

Color Contrast Check

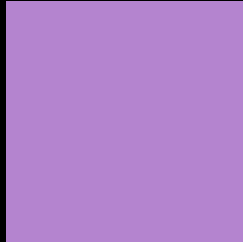
Large Text (above 18pt) WCAG AA × Fail

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, 132, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

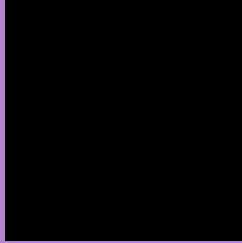
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 180, 132, 207 Background



This preview shows how black text looks on a background with the RYB color 180, 132, 207.

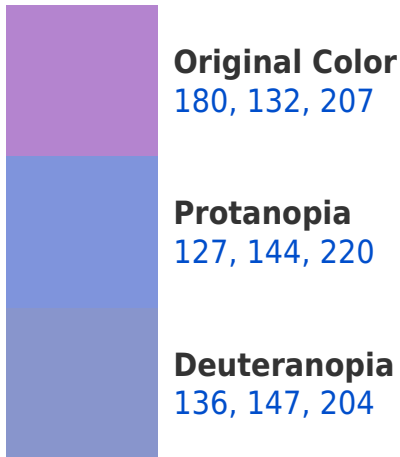



This preview shows how white text looks on a background with the RYB color 180, 132, 207.

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
172, 143, 154

Trichromacy



Original Color

180, 132, 207



Protanomaly

146, 142, 215



Deuteranomaly

152, 143, 205



Tritanomaly

175, 139, 173

Monochromacy



Original Color

180, 132, 207



Achromatopsia

155, 155, 155



Achromatomaly

164, 147, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 132, 207 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, 132, 207) looks like.

```
.text, #text, p{  
    color:rgb(180, 132, 207)  
}
```

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, 132, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 132, 207) }
```

Border

The CSS property to change the border of an element to RYB 180, 132, 207 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, 132, 207) }
```

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

```
.border{ border-color:rgb(180, 132, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 132, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 132, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 132, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 132,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 180, 132, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 132, 207) }
```

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

```
.background{ background-color: rgb(180,  
132, 207) }
```

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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