

Converting Colors

`RYB(183, 112, 199)`

Have a look what the booklet for
RYB(183, 112, 199) contains.

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Color

R_YB(183, 112, 199)

Conversions

Conversions Part 1

Format	Color
Hex	B770C7
RGB	183, 112, 199
RGB Percent	72%, 44%, 78%
CMY	0.2824, 0.5608, 0.2196
CMYK	0.08, 0.44, 0.00, 0.22
HSL	289°, 44%, 61%
HSV	289°, 44%, 78%
XYZ	35.6314, 25.7791, 57.1307
YIQ	143.1470, 14.3890, 42.1090

Conversions

Conversions Part 2

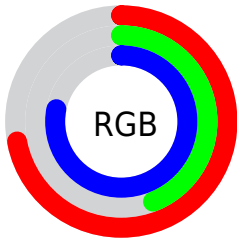
Format	Color
R_{YB}	183, 112, 199
Decimal	12021959
CIE _{Lab}	57.83, 42.31, -34.02
CIE _{LCh}	58, 54.290, 321.192
Yxy	25.7791, 0.3006, 0.2175
Android (android.graphics.Color)	4290212039 (0xFFB770C7)
YUV	143.1470, 27.5355, 34.9511
Hunter-Lab	50.7732, 36.4141, -31.1728

Details

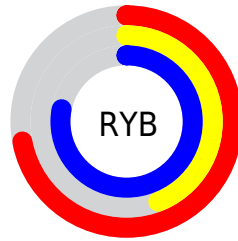
The RYB color **183, 112, 199** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **112, 199, 183**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **240, 165, 255**, and **128, 61, 145** is the 20% darker color. If you saturate the color by 10%, you get **179, 92, 199**, and if you desaturate by 10%, it is **187, 132, 199**.

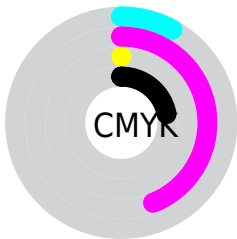
Distribution



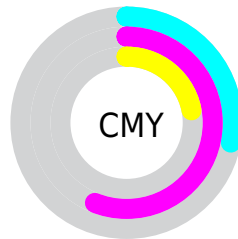
- Red (72%)
- Green (44%)
- Blue (78%)



- Red (72%)
- Yellow (44%)
- Blue (78%)



- Cyan (8%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)



- Cyan (28%)
- Magenta (56%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the RYB color 183, 112, 199 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 183, 112, 199 by changing the saturation by 10% instead.

 183, 112, 199

255, 255, 255

 240, 165, 255

 255, 193, 255

 255, 221, 255

 255, 250, 255

 183, 112, 199

 155, 86, 171

 128, 61, 145

 102, 36, 119

 76, 6, 94

 51, 0, 70


 30, 0, 47

 0, 1, 25


 0, 0, 0


 183, 112, 199

 183, 112, 199

 179, 92, 199

 187, 132, 199


 176, 72, 199


 190, 152, 199

 172, 52, 199

 194, 172, 199

 168, 32, 199

 198, 192, 199

 165, 13, 199

 199, 212, 210

 162, 0, 199

 199, 231, 225

 199, 251, 241

 199, 255, 242

 199, 255, 238

Harmonies

Analogous

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



115, 130, 228



183, 112, 199



218, 97, 155

Triad

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



183, 112, 199



103, 176, 38



0, 83, 172

Complementary

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



183, 112, 199



112, 199, 183

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, 91, 161



183, 112, 199



42, 147, 57

Square

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



183, 112, 199



209, 136, 66



73, 153, 156



0, 91, 212

Rectangle

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



183, 112, 199



226, 95, 123



73, 153, 156



0, 83, 162

Sweetspot

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



183, 112, 199



249, 222, 255



112, 126, 199



124, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



183, 112, 199



231, 122, 255



199, 112, 173



98, 90, 99



133, 0, 163



29, 0, 36

Inverse Universe

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



199, 112, 128



255, 122, 147



112, 179, 199



99, 90, 91



163, 0, 30



36, 0, 7

Previews

White Background



This preview shows how the RYB color 183, 112, 199 looks on a white background.

Color Contrast Check

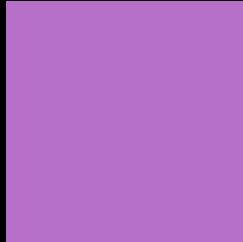
Large Text (above 18pt) WCAG AA ✓ Pass

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 183, 112, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

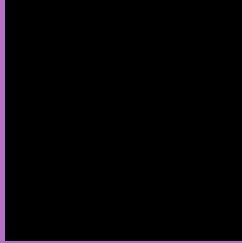
Any Text WCAG AA ✓ Pass

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 183, 112, 199 Background



This preview shows how black text looks on a background with the RYB color 183, 112, 199.

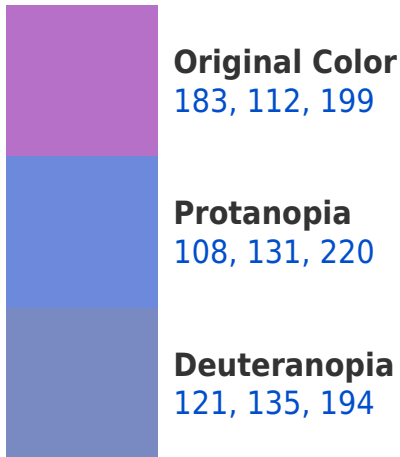



This preview shows how white text looks on a background with the RYB color 183, 112, 199.

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
174, 126, 136

Trichromacy



Original Color
183, 112, 199



Protanomaly
135, 128, 212



Deuteranomaly
144, 129, 196



Tritanomaly
177, 121, 159

Monochromacy



Original Color
183, 112, 199



Achromatopsia
143, 143, 143



Achromatomaly
158, 132, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 183, 112, 199 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(183, 112, 199)` looks like.

```
.text, #text, p{  
  color:rgb(183, 112, 199)  
}
```

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(183, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 112, 199) }
```

Border

The CSS property to change the border of an element to RYB 183, 112, 199 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(183, 112, 199) }
```

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

```
.border{ border-color:rgb(183, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(183, 112,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 183, 112, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 112, 199) }
```

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

```
.background{ background-color: rgb(183,  
112, 199) }
```

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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