

Converting Colors

`RYB(203, 139, 180)`

Have a look what the booklet for
RYB(203, 139, 180) contains.

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Color

$\text{RYB}(203, 139, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	CB8BB4
RGB	203, 139, 180
RGB Percent	80%, 55%, 71%
CMY	0.2039, 0.4549, 0.2941
CMYK	0.00, 0.32, 0.11, 0.20
HSL	322°, 38%, 67%
HSV	322°, 32%, 80%
XYZ	42.0994, 34.4570, 47.6120
YIQ	162.8100, 24.9830, 26.3190

Conversions

Conversions Part 2

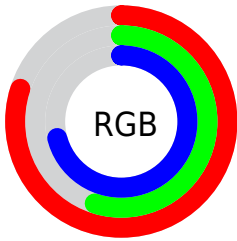
Format	Color
R _Y B	203, 139, 180
Decimal	13339572
CIE Lab	65.32, 30.61, -11.59
CIE LCh	65, 32.726, 339.258
Yxy	34.4570, 0.3391, 0.2775
Android (android.graphics.Color)	4291529652 (0xFFCB8BB4)
YUV	162.8100, 8.4747, 35.2466
Hunter-Lab	58.7001, 25.2941, -7.0004

Details

The RYB color **203, 139, 180** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **139, 186, 203**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **255, 193, 236**, and **148, 88, 127** is the 20% darker color. If you saturate the color by 10%, you get **203, 119, 173**, and if you desaturate by 10%, it is **203, 159, 187**.

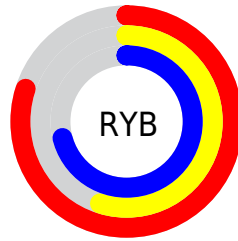
Distribution



Red (80%)

Green (55%)

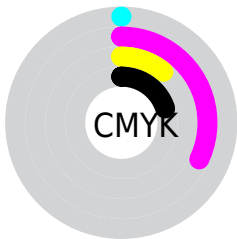
Blue (71%)



Red (80%)

Yellow (55%)

Blue (71%)

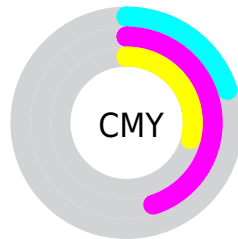


Cyan (0%)

Magenta (32%)

Yellow (11%)

Black (20%)



Cyan (20%)

Magenta (45%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 139, 180 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 203, 139, 180 by changing the saturation by 10% instead.


 203, 139, 180

 203, 139, 180


255, 255, 255

 175, 113, 153

 255, 193, 236


 148, 88, 127

 255, 221, 255

 121, 63, 102

 255, 250, 255

 96, 40, 78


 71, 16, 55

 47, 0, 34

 20, 0, 9


 0, 0, 0


 203, 139, 180


 203, 139, 180

 203, 119, 173


 203, 159, 187

 203, 98, 165


 203, 180, 195

 203, 78, 158


 203, 200, 202

 203, 58, 151

 203, 216, 220

 203, 37, 144

 203, 231, 241

 203, 17, 136

 203, 240, 255

 203, 0, 130

 203, 237, 255

 203, 234, 255

 203, 231, 255

Harmonies

Analogous

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



174, 148, 204



203, 139, 180



216, 136, 150

Triad

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



203, 139, 180



110, 169, 100



52, 118, 195

Complementary

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



203, 139, 180



139, 186, 203

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.



67, 123, 175



203, 139, 180



112, 168, 143

Square

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



203, 139, 180



196, 196, 104



102, 150, 173



85, 135, 213

Rectangle

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



203, 139, 180



215, 139, 131



102, 150, 173



52, 116, 186

Sweetspot

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



203, 139, 180



255, 232, 247



161, 139, 203



128, 113, 122



0, 0, 0



128, 128, 128

Same Dimension

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



203, 139, 180



255, 158, 220



203, 139, 149



102, 92, 98



166, 0, 106



38, 0, 25

Inverse Universe

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



203, 139, 180



255, 158, 220



139, 174, 203



102, 92, 98



166, 0, 106



38, 0, 25

Previews

White Background



This preview shows how the RYB color 203, 139, 180 looks on a white background.

Color Contrast Check

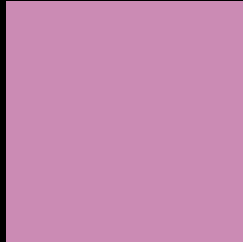
Large Text (above 18pt) WCAG AA × Fail

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 203, 139, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

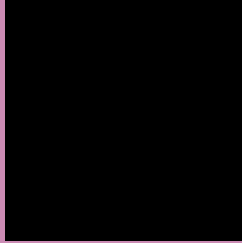
Any Text WCAG AA ✓ Pass

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 203, 139, 180 Background



This preview shows how black text looks on a background with the RYB color 203, 139, 180.



This preview shows how white text looks on a background with the RYB color 203, 139, 180.

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
203, 139, 180

Protanopia
151, 156, 192

Deuteranopia
166, 155, 177



Tritanopia
200, 144, 155

Trichromacy



Original Color

203, 139, 180



Protanomaly

170, 150, 188



Deuteranomaly

179, 149, 178



Tritanomaly

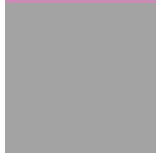
201, 142, 164

Monochromacy



Original Color

203, 139, 180



Achromatopsia

163, 163, 163



Achromatomaly

178, 154, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 139, 180 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(203, 139, 180) looks like.

```
.text, #text, p{  
    color:rgb(203, 139, 180)  
}
```

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(203, 139, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 139, 180) }
```

Border

The CSS property to change the border of an element to RYB 203, 139, 180 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(203, 139, 180) }
```

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

```
.border{ border-color:rgb(203, 139, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 139, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 139, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 139, 180);  
box-shadow:4px 4px 4px 4px rgb(203, 139,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 203, 139, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 139, 180) }
```

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

```
.background{ background-color: rgb(203,  
139, 180) }
```

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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