

Converting Colors

`RYB(203, 199, 221)`

Have a look what the booklet for RYB(203, 199, 221) contains.

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Color

R_YB(203, 199, 221)

Conversions

Conversions Part 1

Format	Color
Hex	CBC7DD
RGB	203, 199, 221
RGB Percent	80%, 78%, 87%
CMY	0.2039, 0.2196, 0.1333
CMYK	0.08, 0.10, 0.00, 0.13
HSL	251°, 24%, 82%
HSV	251°, 10%, 87%
XYZ	58.1032, 58.7638, 76.6868
YIQ	202.7040, -4.6780, 7.6900

Conversions

Conversions Part 2

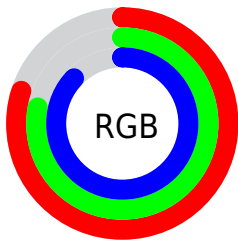
Format	Color
R_{YB}	203, 199, 221
Decimal	13354973
CIE _{Lab}	81.16, 5.55, -10.42
CIE _{LCh}	81, 11.809, 298.030
Yxy	58.7638, 0.3002, 0.3036
Android (android.graphics.Color)	4291545053 (0xFFCBC7DD)
YUV	202.7040, 9.0199, 0.2596
Hunter-Lab	76.6576, 1.1447, -5.6523

Details

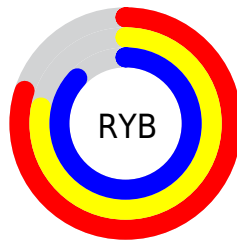
The RYB color **203, 199, 221** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **199, 221, 203**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **255, 255, 255**, and **149, 145, 166** is the 20% darker color. If you saturate the color by 10%, you get **185, 177, 221**, and if you desaturate by 10%, it is **221, 221, 221**.

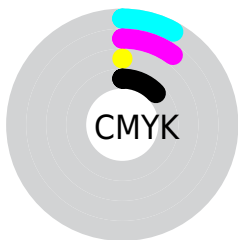
Distribution



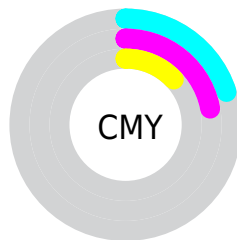
- Red (80%)
- Green (78%)
- Blue (87%)



- Red (80%)
- Yellow (78%)
- Blue (87%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 199, 221 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, 199, 221 by changing the saturation by 10% instead.

■ 203, 199, 221

255, 255, 255

■ 203, 199, 221

■ 176, 172, 193

■ 149, 145, 166

■ 123, 120, 140

■ 98, 95, 114

■ 74, 71, 90


■ 51, 49, 66

■ 30, 28, 44

■ 7, 1, 24


■ 0, 0, 0

 203, 199, 221

 203, 199, 221


 185, 177, 221


 221, 221, 221

 167, 155, 221

 221, 243, 225

 149, 133, 221

 221, 255, 221


 131, 111, 221

 113, 89, 221

 95, 66, 221

 76, 44, 221

 58, 22, 221

 40, 0, 221

Harmonies

Analogous

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



189, 199, 223



203, 199, 221



216, 196, 213

Triad

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



203, 199, 221



221, 205, 183



177, 195, 208

Complementary

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



203, 199, 221



199, 221, 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.



187, 204, 207



203, 199, 221



197, 212, 180

Square

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



203, 199, 221



226, 195, 192



182, 204, 187



174, 192, 211

Rectangle

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



203, 199, 221



222, 195, 206



182, 204, 187



180, 197, 208

Sweetspot

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



203, 199, 221



249, 247, 255



199, 209, 221



123, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



203, 199, 221



230, 224, 255



214, 199, 221



101, 99, 110



32, 0, 173



8, 0, 46

Inverse Universe

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



221, 199, 217



255, 224, 249



199, 221, 214



110, 99, 108



173, 0, 142



46, 0, 38

Previews

White Background



This preview shows how the RYB color 203, 199, 221 looks on a white background.

Color Contrast Check

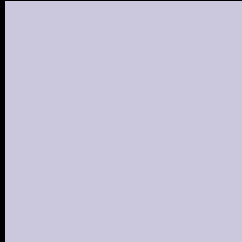
Large Text (above 18pt) WCAG AA × Fail

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, 199, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

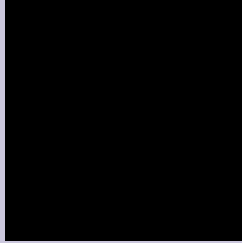
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

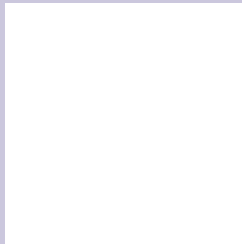
Any Text WCAG AAA ✓ Pass

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

R Y B 203, 199, 221 Background



This preview shows how black text looks on a background with the RYB color 203, 199, 221.



This preview shows how white text looks on a background with the RYB color 203, 199, 221.

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, 199, 221

Protanopia
199, 200, 222

Deuteranopia
212, 196, 222



Tritanopia
202, 200, 216

Trichromacy



Original Color

203, 199, 221

Protanomaly

200, 200, 222

Deuteranomaly

209, 197, 222

Tritanomaly

202, 200, 218

Monochromacy



Original Color

203, 199, 221

Achromatopsia

203, 203, 203

Achromatomaly

203, 202, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 199, 221 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, 199, 221)` looks like.

```
.text, #text, p{  
    color:rgb(203, 199, 221)  
}
```

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, 199, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 199, 221) }
```

Border

The CSS property to change the border of an element to RYB 203, 199, 221 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, 199, 221) }
```

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

```
.border{ border-color:rgb(203, 199, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 199, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 199, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 199, 221);  
box-shadow:4px 4px 4px 4px rgb(203, 199,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 203, 199, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 199, 221) }
```

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

```
.background{ background-color: rgb(203,  
199, 221) }
```

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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