

Converting Colors

`RYB(200, 171, 208)`

Have a look what the booklet for
RYB(200, 171, 208) contains.

RYB(200, 171, 208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(200, 171, 208)

Conversions

Conversions Part 1

Format	Color
Hex	C8ABD0
RGB	200, 171, 208
RGB Percent	78%, 67%, 82%
CMY	0.2157, 0.3294, 0.1843
CMYK	0.04, 0.18, 0.00, 0.18
HSL	287°, 28%, 74%
HSV	287°, 18%, 82%
XYZ	49.7675, 45.9592, 65.9225
YIQ	183.8890, 5.4070, 17.6550

Conversions

Conversions Part 2

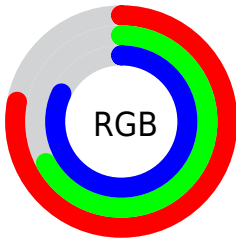
Format	Color
R _Y B	200, 171, 208
Decimal	13151184
CIE Lab	73.52, 17.14, -14.85
CIE LCh	74, 22.681, 319.095
Yxy	45.9592, 0.3079, 0.2843
Android (android.graphics.Color)	4291341264 (0xFFC8ABD0)
YUV	183.8890, 11.8867, 14.1293
Hunter-Lab	67.7932, 12.3999, -10.1986

Details

The RYB color `200, 171, 208` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `171, 208, 200`, and the grayscale version is `184, 184, 184`.

A 20% lighter version of the original color is `255, 226, 255`, and `146, 119, 154` is the 20% darker color. If you saturate the color by 10%, you get `196, 150, 208`, and if you desaturate by 10%, it is `204, 192, 208`.

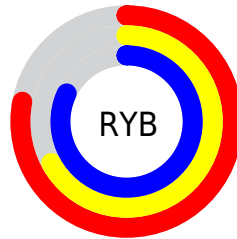
Distribution



Red (78%)

Green (67%)

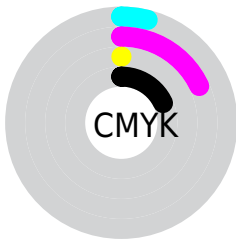
Blue (82%)



Red (78%)

Yellow (67%)

Blue (82%)

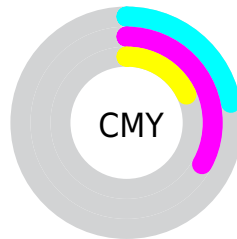


Cyan (4%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 171, 208 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 200, 171, 208 by changing the saturation by 10% instead.

 200, 171, 208

255, 255, 255

 255, 226, 255


 200, 171, 208

 173, 144, 180

 146, 119, 154

 120, 94, 128

 95, 70, 102

 71, 47, 78


 48, 26, 55


 28, 1, 34

 0, 0, 9


 0, 0, 0

 200, 171, 208


 200, 171, 208

 196, 150, 208

 204, 192, 208

 191, 129, 208


 208, 213, 212

 187, 109, 208


 208, 233, 228

 182, 88, 208

 208, 254, 244

 178, 67, 208

 208, 255, 241

 173, 46, 208

 208, 255, 236

 169, 25, 208

 208, 255, 232

 164, 5, 208

 208, 255, 227

 163, 0, 208

 208, 255, 223

Harmonies

Analogous

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



174, 178, 220



200, 171, 208



218, 166, 189

Triad

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



200, 171, 208



187, 204, 140



123, 158, 193

Complementary

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



200, 171, 208



171, 208, 200

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.



137, 171, 192



200, 171, 208



141, 183, 142

Square

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



200, 171, 208



218, 178, 150



153, 189, 183



126, 163, 211

Rectangle

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



200, 171, 208



223, 166, 175



153, 189, 183



126, 161, 193

Sweetspot

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



200, 171, 208



252, 242, 255



171, 178, 208



126, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



200, 171, 208



243, 201, 255



208, 171, 198



102, 94, 105



132, 0, 168



32, 0, 41

Inverse Universe

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



208, 171, 179



255, 201, 213



171, 200, 208



105, 94, 96



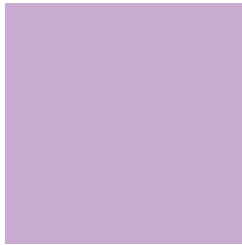
168, 0, 36



41, 0, 9

Previews

White Background



This preview shows how the RYB color 200, 171, 208 looks on a white background.

Color Contrast Check

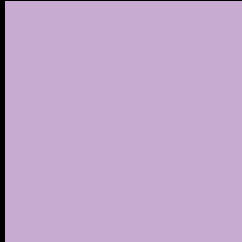
Large Text (above 18pt) WCAG AA × Fail

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 200, 171, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

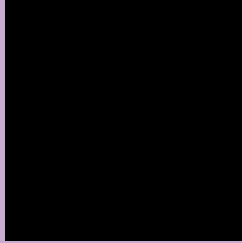
Any Text WCAG AA ✓ Pass

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 200, 171, 208 Background



This preview shows how black text looks on a background with the RYB color 200, 171, 208.



This preview shows how white text looks on a background with the RYB color 200, 171, 208.

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
200, 171, 208

Protanopia
174, 178, 213

Deuteranopia
186, 176, 207



Tritanopia
197, 174, 188

Trichromacy



Original Color
200, 171, 208

Protanomaly
183, 176, 211

Deuteranomaly
191, 174, 207

Tritanomaly
198, 173, 195

Monochromacy



Original Color
200, 171, 208

Achromatopsia
184, 184, 184

Achromatomaly
190, 179, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 171, 208 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(200, 171, 208) looks like.

```
.text, #text, p{  
    color:rgb(200, 171, 208)  
}
```

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(200, 171, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 171, 208) }
```

Border

The CSS property to change the border of an element to RYB 200, 171, 208 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(200, 171, 208) }
```

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

```
.border{ border-color:rgb(200, 171, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 171, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 171, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 171, 208);  
box-shadow:4px 4px 4px 4px rgb(200, 171,  
208) }
```

Background

The CSS property to change the background color of an element to RYB 200, 171, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 171, 208) }
```

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

```
.background{ background-color: rgb(200,  
171, 208) }
```

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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