

Converting Colors

`RYB(203, 170, 220)`

Have a look what the booklet for RYB(203, 170, 220) contains.

| | |
|--|----|
| RYB(203, 170, 220) | 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}(203, 170, 220)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CBAADC |
| RGB | 203, 170, 220 |
| RGB Percent | 80%, 67%, 86% |
| CMY | 0.2039, 0.3333, 0.1373 |
| CMYK | 0.08, 0.23, 0.00, 0.14 |
| HSL | 280°, 42%, 76% |
| HSV | 280°, 23%, 86% |
| XYZ | 51.9216, 46.6133, 73.9708 |
| YIQ | 185.5670, 3.6180, 22.5460 |

Conversions

Conversions Part 2

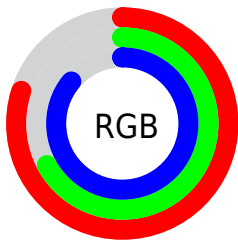
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 203, 170, 220 |
| Decimal | 13347548 |
| CIE _{Lab} | 73.94, 21.05, -20.75 |
| CIE _{LCh} | 74, 29.557, 315.421 |
| Yxy | 46.6133, 0.3010, 0.2702 |
| Android (android.graphics.Color) | 4291537628 (0xFFCBAADC) |
| YUV | 185.5670, 16.9755, 15.2887 |
| Hunter-Lab | 68.2739, 16.2680, -16.4456 |

Details

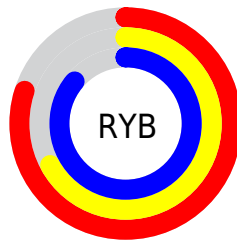
The RYB color **203, 170, 220** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 220, 203**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **255, 225, 255**, and **148, 118, 165** is the 20% darker color. If you saturate the color by 10%, you get **196, 148, 220**, and if you desaturate by 10%, it is **210, 192, 220**.

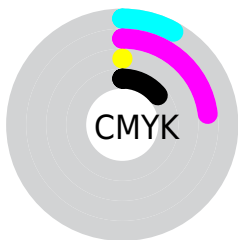
Distribution



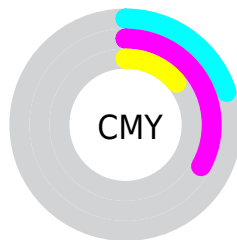
- Red (80%)
- Green (67%)
- Blue (86%)



- Red (80%)
- Yellow (67%)
- Blue (86%)



- Cyan (8%)
- Magenta (23%)
- Yellow (0%)
- Black (14%)



- Cyan (20%)
- Magenta (33%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 170, 220 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, 170, 220 by changing the saturation by 10% instead.

 203, 170, 220

 203, 170, 220

255, 255, 255

 175, 143, 192

 255, 225, 255

 148, 118, 165

255, 254, 255

 122, 93, 138

 97, 69, 113

 73, 46, 88

 49, 25, 65

 29, 0, 43

 0, 1, 21

 0, 0, 0

■ 203, 170, 220

■ 203, 170, 220

■ 196, 148, 220

■ 210, 192, 220

■ 188, 126, 220

■ 218, 214, 220

■ 181, 104, 220

■ 220, 236, 231

■ 173, 82, 220

■ 220, 255, 242

■ 166, 60, 220

■ 220, 255, 235

■ 158, 38, 220

■ 220, 255, 227

■ 151, 16, 220

■ 220, 255, 220

■ 145, 0, 220

Harmonies

Analogous

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



167, 177, 234



203, 170, 220



227, 163, 196

Triad

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



203, 170, 220



200, 213, 130



102, 150, 197

Complementary

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



203, 170, 220



170, 220, 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.



125, 170, 196



203, 170, 220



132, 187, 129

Square

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



203, 170, 220



231, 175, 144



143, 192, 179



101, 153, 219

Rectangle

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



203, 170, 220



235, 162, 178



143, 192, 179



108, 155, 197

Sweetspot

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



203, 170, 220



249, 237, 255



170, 183, 220



124, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



203, 170, 220



232, 186, 255



220, 170, 213



106, 99, 110



114, 0, 173



30, 0, 46

Inverse Universe

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



220, 170, 187



255, 186, 210



170, 213, 220



110, 99, 102



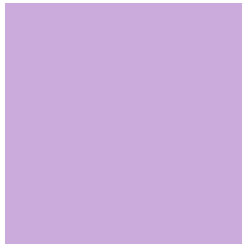
173, 0, 59



46, 0, 16

Previews

White Background



This preview shows how the RYB color 203, 170, 220 looks on a white background.

Color Contrast Check

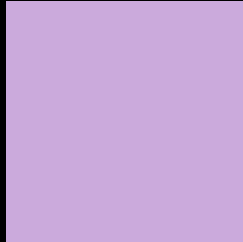
Large Text (above 18pt) WCAG AA × Fail

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, 170, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

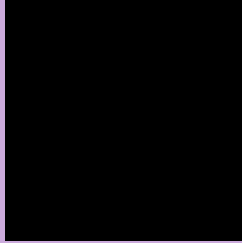
Any Text WCAG AA ✓ Pass

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, 170, 220 Background



This preview shows how black text looks on a background with the RYB color 203, 170, 220.



This preview shows how white text looks on a background with the RYB color 203, 170, 220.

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, 170, 220

Protanopia
171, 179, 227

Deuteranopia
182, 178, 218



Tritanopia
198, 176, 189

Trichromacy



Original Color
203, 170, 220

Protanomaly
183, 176, 224

Deuteranomaly
190, 175, 219

Tritanomaly
200, 174, 200

Monochromacy



Original Color
203, 170, 220

Achromatopsia
186, 186, 186

Achromatomaly
192, 180, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 170, 220 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, 170, 220)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 220)  
}
```

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, 170, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 220) }
```

Border

The CSS property to change the border of an element to RYB 203, 170, 220 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, 170, 220) }
```

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

```
.border{ border-color:rgb(203, 170, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 220);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 203, 170, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 220) }
```

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

```
.background{ background-color: rgb(203,  
170, 220) }
```

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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