

Converting Colors

`RYB(202, 175, 211)`

Have a look what the booklet for
RYB(202, 175, 211) contains.

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Color

R_YB(202, 175, 211)

Conversions

Conversions Part 1

Format	Color
Hex	CAAFD3
RGB	202, 175, 211
RGB Percent	79%, 69%, 83%
CMY	0.2078, 0.3137, 0.1725
CMYK	0.04, 0.17, 0.00, 0.17
HSL	285°, 29%, 76%
HSV	285°, 17%, 83%
XYZ	51.4450, 47.9196, 68.1660
YIQ	187.1770, 4.5360, 16.9200

Conversions

Conversions Part 2

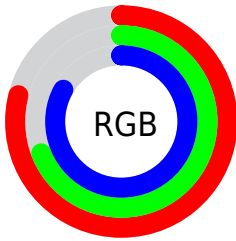
Format	Color
R_{YB}	202, 175, 211
Decimal	13283283
CIE _{Lab}	74.77, 16.21, -14.59
CIE _{LCh}	75, 21.807, 318.020
Yxy	47.9196, 0.3071, 0.2860
Android (android.graphics.Color)	4291473363 (0xFFCAAFD3)
YUV	187.1770, 11.7447, 12.9998
Hunter-Lab	69.2240, 11.5132, -9.9270

Details

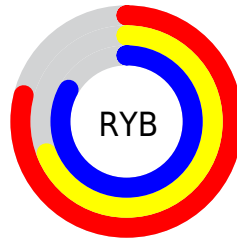
The RYB color **202, 175, 211** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **175, 211, 202**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 231, 255**, and **148, 122, 156** is the 20% darker color. If you saturate the color by 10%, you get **197, 154, 211**, and if you desaturate by 10%, it is **207, 196, 211**.

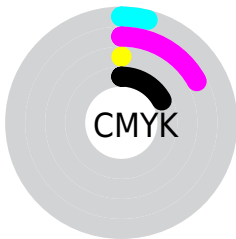
Distribution



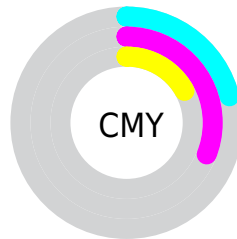
- Red (79%)
- Green (69%)
- Blue (83%)



- Red (79%)
- Yellow (69%)
- Blue (83%)



- Cyan (4%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)




- Cyan (21%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the RYB color 202, 175, 211 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 202, 175, 211 by changing the saturation by 10% instead.


 202, 175, 211

255, 255, 255

 255, 231, 255

 202, 175, 211


 174, 148, 183

 148, 122, 156

 122, 97, 130

 97, 74, 105

 73, 51, 81


 50, 29, 58


 29, 6, 36

 0, 1, 13


 0, 0, 0


 202, 175, 211

 202, 175, 211


 197, 154, 211


 207, 196, 211


 191, 133, 211


 211, 217, 215


 186, 112, 211


 211, 238, 231


 181, 91, 211


 211, 255, 243

 176, 70, 211

 211, 255, 238


 170, 48, 211

 211, 255, 232


 165, 27, 211

 211, 255, 227

 160, 6, 211

 211, 255, 222

 158, 0, 211

 211, 255, 217

Harmonies

Analogous

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



177, 182, 222



202, 175, 211



219, 171, 193

Triad

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



202, 175, 211



193, 207, 145



130, 163, 196

Complementary

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



202, 175, 211



175, 211, 202

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.



143, 175, 195



202, 175, 211



146, 187, 146

Square

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



202, 175, 211



221, 182, 155



157, 192, 185



132, 167, 213

Rectangle

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



202, 175, 211



225, 170, 179



157, 192, 185



132, 166, 196

Sweetspot

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



202, 175, 211



252, 242, 255



175, 182, 211



126, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 175, 211



242, 204, 255



211, 175, 202



102, 94, 105



126, 0, 168



31, 0, 41

Inverse Universe

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



211, 175, 184



255, 204, 217



175, 204, 211



105, 94, 97



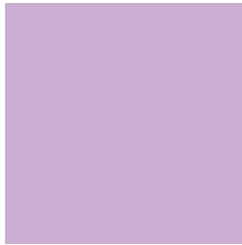
168, 0, 42



41, 0, 10

Previews

White Background



This preview shows how the RYB color 202, 175, 211 looks on a white background.

Color Contrast Check

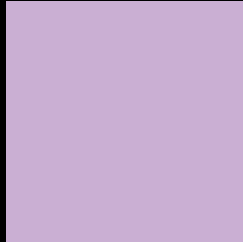
Large Text (above 18pt) WCAG AA × Fail

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 202, 175, 211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

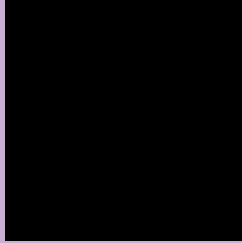
Any Text WCAG AA ✓ Pass

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 202, 175, 211 Background



This preview shows how black text looks on a background with the RYB color 202, 175, 211.



This preview shows how white text looks on a background with the RYB color 202, 175, 211.

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
202, 175, 211

Protanopia
178, 182, 216

Deuteranopia
190, 179, 210



Tritanopia
199, 178, 192

Trichromacy



Original Color
202, 175, 211

Protanomaly
187, 180, 214

Deuteranomaly
194, 178, 210

Tritanomaly
200, 177, 199

Monochromacy



Original Color
202, 175, 211

Achromatopsia
187, 187, 187

Achromatomaly
192, 183, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 175, 211 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(202, 175, 211) looks like.

```
.text, #text, p{  
    color:rgb(202, 175, 211)  
}
```

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(202, 175, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 175, 211) }
```

Border

The CSS property to change the border of an element to RYB 202, 175, 211 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(202, 175, 211) }
```

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

```
.border{ border-color:rgb(202, 175, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 175, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 175, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 175, 211);  
box-shadow:4px 4px 4px 4px rgb(202, 175,  
211) }
```

Background

The CSS property to change the background color of an element to RGB 202, 175, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 175, 211) }
```

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

```
.background{ background-color: rgb(202,  
175, 211) }
```

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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