

Converting Colors

`RYB(202, 196, 213)`

Have a look what the booklet for
RYB(202, 196, 213) contains.

RYB(202, 196, 213)	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

RYB(202, 196, 213)

Conversions

Conversions Part 1

Format	Color
Hex	CAC4D5
RGB	202, 196, 213
RGB Percent	79%, 77%, 84%
CMY	0.2078, 0.2314, 0.1647
CMYK	0.05, 0.08, 0.00, 0.16
HSL	261°, 17%, 80%
HSV	261°, 8%, 84%
XYZ	56.1073, 56.8405, 70.9649
YIQ	199.7320, -1.8810, 6.5590

Conversions

Conversions Part 2

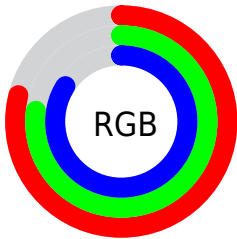
Format	Color
R_{YB}	202, 196, 213
Decimal	13288661
CIE _{Lab}	80.09, 5.25, -7.73
CIE _{LCh}	80, 9.348, 304.198
Yxy	56.8405, 0.3051, 0.3091
Android (android.graphics.Color)	4291478741 (0xFFCAC4D5)
YUV	199.7320, 6.5411, 1.9890
Hunter-Lab	75.3926, 0.9028, -3.0331

Details

The RYB color **202, 196, 213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **196, 213, 202**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **255, 253, 255**, and **148, 142, 158** is the 20% darker color. If you saturate the color by 10%, you get **188, 175, 213**, and if you desaturate by 10%, it is **213, 217, 214**.

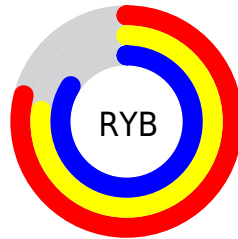
Distribution



Red (79%)

Green (77%)

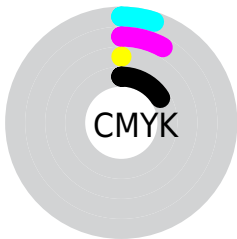
Blue (84%)



Red (79%)

Yellow (77%)

Blue (84%)

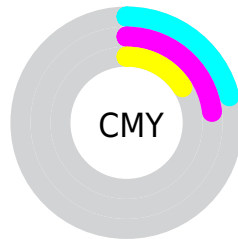


Cyan (5%)

Magenta (8%)

Yellow (0%)

Black (16%)



Cyan (21%)

Magenta (23%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 196, 213 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, 196, 213 by changing the saturation by 10% instead.

■ 202, 196, 213

255, 255, 255

■ 255, 253, 255

■ 202, 196, 213

■ 175, 169, 185

■ 148, 142, 158

■ 122, 117, 132

■ 97, 92, 107

■ 73, 69, 83

■ 51, 46, 60

■ 30, 26, 38

■ 5, 0, 18

■ 0, 0, 0

■ 202, 196, 213

■ 202, 196, 213

■ 188, 175, 213

■ 213, 217, 214

■ 174, 153, 213

■ 213, 239, 222

■ 161, 132, 213

■ 213, 255, 225

■ 147, 111, 213

■ 213, 255, 213

■ 133, 90, 213

■ 119, 68, 213

■ 106, 47, 213

■ 92, 26, 213

■ 78, 4, 213

Harmonies

Analogous

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



191, 197, 216



202, 196, 213



211, 194, 206

Triad

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



202, 196, 213



213, 206, 183



179, 193, 204

Complementary

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



202, 196, 213



196, 213, 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.



185, 199, 203



202, 196, 213



191, 205, 181

Square

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



202, 196, 213



217, 194, 189



184, 201, 190



177, 191, 208

Rectangle

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



202, 196, 213



216, 193, 201



184, 201, 190



180, 194, 204

Sweetspot

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



202, 196, 213



252, 250, 255



196, 203, 213



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 196, 213



238, 230, 255



210, 196, 213



100, 96, 107



60, 0, 171



15, 0, 43

Inverse Universe

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



213, 196, 207



255, 230, 246



196, 213, 210



107, 96, 103



171, 0, 111



43, 0, 28

Previews

White Background



This preview shows how the RYB color 202, 196, 213 looks on a white background.

Color Contrast Check

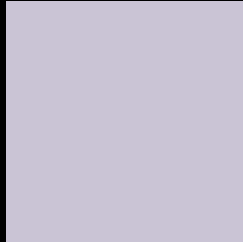
Large Text (above 18pt) WCAG AA × Fail

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, 196, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

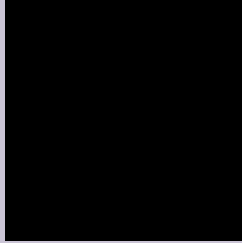
Any Text WCAG AA ✓ Pass

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, 196, 213 Background



This preview shows how black text looks on a background with the RYB color 202, 196, 213.

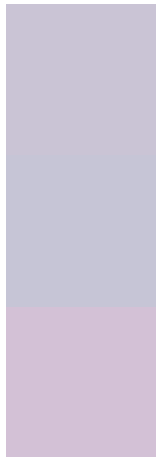


This preview shows how white text looks on a background with the RYB color 202, 196, 213.

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](#), [196](#), [213](#)

Protanopia
[198](#), [197](#), [214](#)

Deuteranopia
[211](#), [193](#), [214](#)



Tritanopia
202, 196, 212

Trichromacy



Original Color

202, 196, 213

Protanomaly

199, 197, 214

Deuteranomaly

208, 194, 214

Tritanomaly

202, 196, 212

Monochromacy



Original Color

202, 196, 213

Achromatopsia

200, 200, 200

Achromatomaly

201, 199, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 196, 213 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, 196, 213) looks like.

```
.text, #text, p{  
    color:rgb(202, 196, 213)  
}
```

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, 196, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 196, 213) }
```

Border

The CSS property to change the border of an element to RYB 202, 196, 213 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, 196, 213) }
```

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

```
.border{ border-color:rgb(202, 196, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 196, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 196, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 196, 213);  
box-shadow:4px 4px 4px 4px rgb(202, 196,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 202, 196, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 196, 213) }
```

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

```
.background{ background-color: rgb(202,  
196, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor