

# Converting Colors

`RYB(204, 193, 218)`

Have a look what the booklet for  
RYB(204, 193, 218) contains.

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# Color

**R<sub>Y</sub>B(204, 193, 218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCC1DA
RGB	204, 193, 218
RGB Percent	80%, 76%, 85%
CMY	0.2000, 0.2431, 0.1451
CMYK	0.06, 0.11, 0.00, 0.15
HSL	266°, 25%, 81%
HSV	266°, 11%, 85%
XYZ	56.6267, 56.0393, 74.1618
YIQ	199.1390, -1.4690, 10.1070

# Conversions

## Conversions Part 2

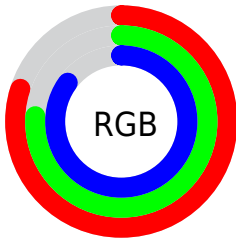
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 193, 218
Decimal	13418970
CIE Lab	79.64, 8.50, -11.08
CIE LCh	80, 13.964, 307.494
Yxy	56.0393, 0.3031, 0.3000
Android (android.graphics.Color)	4291609050 (0xFFCCC1DA)
YUV	199.1390, 9.2985, 4.2631
Hunter-Lab	74.8594, 4.0208, -6.3359

# Details

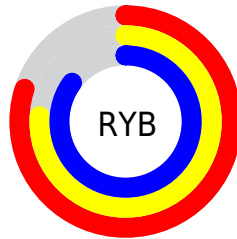
The RYB color **204, 193, 218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **193, 218, 204**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is 255, 249, 255, and **150, 140, 163** is the 20% darker color. If you saturate the color by 10%, you get **192, 171, 218**, and if you desaturate by 10%, it is **216, 215, 218**.

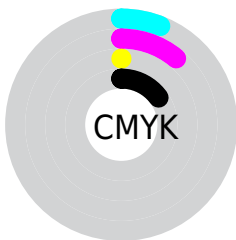
# Distribution



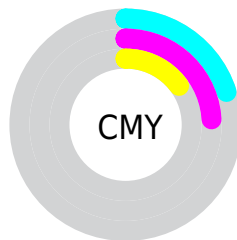
- Red (80%)
- Green (76%)
- Blue (85%)



- Red (80%)
- Yellow (76%)
- Blue (85%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (24%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 204, 193, 218 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 204, 193, 218 by changing the saturation by 10% instead.



■ 204, 193, 218

255, 255, 255

■ 255, 249, 255

■ 204, 193, 218

■ 177, 166, 190

■ 150, 140, 163

■ 124, 114, 137

■ 99, 90, 111


■ 75, 66, 87

■ 52, 44, 64


■ 31, 23, 42

■ 6, 0, 22


■ 0, 0, 0

 204, 193, 218


 204, 193, 218

 192, 171, 218


 216, 215, 218

 180, 149, 218

 218, 237, 227

 167, 128, 218


 218, 255, 232

 155, 106, 218


 218, 255, 220


 143, 84, 218

 218, 255, 218

 131, 62, 218

 119, 40, 218

 106, 19, 218

 96, 0, 218

# Harmonies

## Analogous

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



188, 195, 223



204, 193, 218



217, 190, 208

# Triad

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



204, 193, 218



217, 208, 174



166, 187, 205

# Complementary

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



204, 193, 218



193, 218, 204

# 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.



176, 196, 204



204, 193, 218



183, 205, 172

# Square

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



204, 193, 218



224, 192, 182



177, 201, 188



165, 187, 213

# Rectangle

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



204, 193, 218



223, 189, 199



177, 201, 188



169, 190, 205



# Sweetspot

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



204, 193, 218



251, 247, 255



193, 202, 218



125, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 193, 218



235, 219, 255



216, 193, 218



104, 99, 110



76, 0, 173



20, 0, 46



# Inverse Universe

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



218, 193, 207



255, 219, 239



193, 218, 216



110, 99, 105



173, 0, 97



46, 0, 26



# Previews

## White Background



This preview shows how the RYB color 204, 193, 218 looks on a white background.

## Color Contrast Check

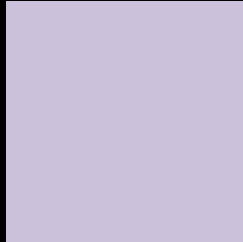
Large Text (above 18pt) WCAG AA × Fail

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 204, 193, 218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

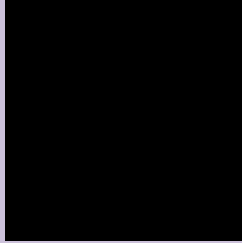
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

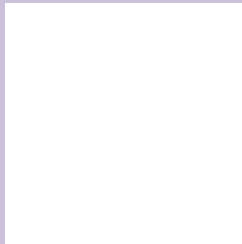
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 204, 193, 218 Background



This preview shows how black text looks on a background with the RYB color 204, 193, 218.



This preview shows how white text looks on a background with the RYB color 204, 193, 218.

# 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**  
204, 193, 218

**Protanopia**  
194, 196, 220

**Deuteranopia**  
207, 192, 218



**Tritanopia**  
203, 194, 210

# Trichromacy



**Original Color**

204, 193, 218

**Protanomaly**

198, 195, 219

**Deuteranomaly**

206, 192, 218

**Tritanomaly**

203, 194, 213

# Monochromacy



**Original Color**

204, 193, 218

**Achromatopsia**

199, 199, 199

**Achromatomaly**

201, 197, 206

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 204, 193, 218 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(204, 193, 218) looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 218)  
}
```

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(204, 193, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 218) }
```

## Border

The CSS property to change the border of an element to RYB 204, 193, 218 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(204, 193, 218) }
```

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

```
.border{ border-color:rgb(204, 193, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
218) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 193, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 218) }
```

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

```
.background{ background-color: rgb(204,  
193, 218) }
```

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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