

# Converting Colors

`RYB(209, 193, 247)`

Have a look what the booklet for  
RYB(209, 193, 247) contains.

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# Color

**R<sub>Y</sub>B(209, 193, 247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1C1F7
RGB	209, 193, 247
RGB Percent	82%, 76%, 97%
CMY	0.1804, 0.2431, 0.0314
CMYK	0.15, 0.22, 0.00, 0.03
HSL	258°, 77%, 86%
HSV	258°, 22%, 97%
XYZ	62.1530, 58.4106, 95.9943
YIQ	203.9400, -7.7980, 20.1860

# Conversions

## Conversions Part 2

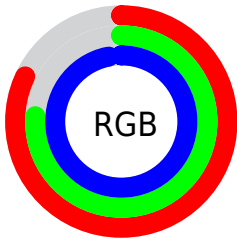
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	209, 193, 247
Decimal	13746679
CIE <sub>Lab</sub>	80.97, 16.03, -24.59
CIE <sub>LCh</sub>	81, 29.354, 303.097
Yxy	58.4106, 0.2870, 0.2697
Android (android.graphics.Color)	4291936759 (0xFFD1C1F7)
YUV	203.9400, 21.2286, 4.4376
Hunter-Lab	76.4269, 11.4154, -20.9711

# Details

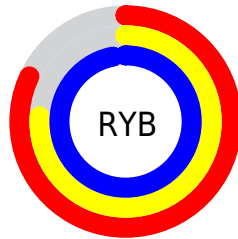
The RYB color **209, 193, 247** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **193, 247, 209**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is 255, 249, 255, and **154, 139, 191** is the 20% darker color. If you saturate the color by 10%, you get **192, 168, 247**, and if you desaturate by 10%, it is **226, 218, 247**.

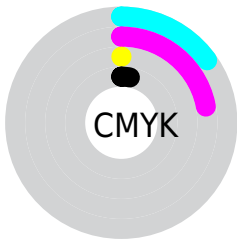
# Distribution



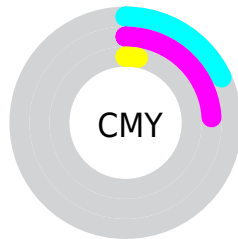
- Red (82%)
- Green (76%)
- Blue (97%)



- Red (82%)
- Yellow (76%)
- Blue (97%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (24%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 209, 193, 247 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 209, 193, 247 by changing the saturation by 10% instead.



■ 209, 193, 247

255, 255, 255

■ 255, 249, 255

■ 209, 193, 247

■ 181, 166, 218

■ 154, 139, 191

■ 128, 114, 163

■ 102, 89, 137

■ 77, 66, 111

■ 54, 44, 87

■ 30, 23, 63

■ 12, 0, 41

■ 0, 1, 19

■ 209, 193, 247

■ 209, 193, 247

■ 192, 168, 247

■ 226, 218, 247

■ 174, 144, 247

■ 244, 242, 247

■ 157, 119, 247

■ 247, 255, 247

■ 139, 94, 247

■ 122, 70, 247

■ 105, 45, 247

■ 87, 20, 247

■ 73, 0, 247

# Harmonies

## Analogous

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



171, 194, 255



209, 193, 247



239, 185, 226

# Triad

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



209, 193, 247



242, 219, 153



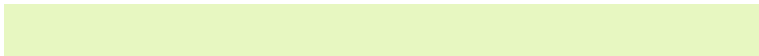
130, 177, 217

# Complementary

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



209, 193, 247



193, 247, 209

# 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.



157, 200, 214



209, 193, 247



170, 218, 146

# Square

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



209, 193, 247



255, 186, 172



154, 208, 174



119, 170, 230

# Rectangle

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



209, 193, 247



251, 182, 209



154, 208, 174



138, 184, 216



# Sweetspot

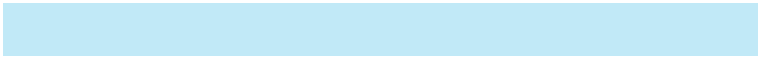
The Sweet Spot groups the original color and five complimentary colors.



209, 193, 247



242, 237, 255



193, 216, 247



120, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



209, 193, 247



208, 189, 255



235, 193, 247



114, 110, 122



55, 0, 186



17, 0, 59



# Inverse Universe

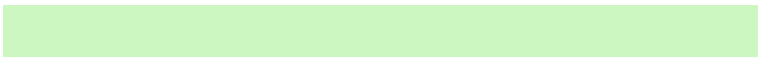
The Inverse Universe completely reimagines the original color for something new.



247, 193, 231



255, 189, 235



193, 247, 235



122, 110, 119



186, 0, 131

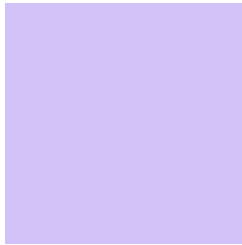


59, 0, 41



# Previews

## White Background



This preview shows how the RYB color 209, 193, 247 looks on a white background.

## Color Contrast Check

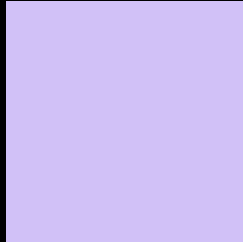
Large Text (above 18pt) WCAG AA × Fail

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 209, 193, 247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

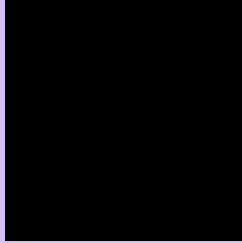
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 209, 193, 247 Background**



This preview shows how black text looks on a background with the RYB color 209, 193, 247.

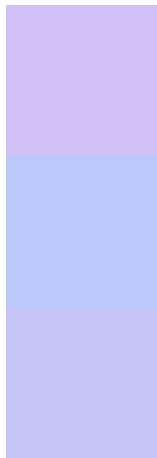


This preview shows how white text looks on a background with the RYB color 209, 193, 247.

# 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**  
209, 193, 247

**Protanopia**  
188, 197, 251

**Deuteranopia**  
198, 197, 246



**Tritanopia**  
203, 199, 215

# Trichromacy



**Original Color**  
209, 193, 247

**Protanomaly**  
196, 197, 250

**Deuteranomaly**  
202, 196, 246

**Tritanomaly**  
205, 197, 227

# Monochromacy



**Original Color**  
209, 193, 247

**Achromatopsia**  
204, 204, 204

**Achromatomaly**  
206, 200, 220

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 209, 193, 247 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(209, 193, 247)` looks like.

```
.text, #text, p{  
    color:rgb(209, 193, 247)  
}
```

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(209, 193, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 193, 247) }
```

## Border

The CSS property to change the border of an element to RYB 209, 193, 247 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(209, 193, 247) }
```

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

```
.border{ border-color:rgb(209, 193, 247) }
```

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

Here you see how a box with a 4 pixel rgb(209, 193, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 193, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 193, 247);  
box-shadow:4px 4px 4px 4px rgb(209, 193,  
247) }
```

# Background

The CSS property to change the background color of an element to RGB 209, 193, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 193, 247) }
```

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

```
.background{ background-color: rgb(209,  
193, 247) }
```

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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