

Converting Colors

`RYB(209, 151, 216)`

Have a look what the booklet for RYB(209, 151, 216) contains.

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Color

R_YB(209, 151, 216)

Conversions

Conversions Part 1

Format	Color
Hex	D197D8
RGB	209, 151, 216
RGB Percent	82%, 59%, 85%
CMY	0.1804, 0.4078, 0.1529
CMYK	0.03, 0.30, 0.00, 0.15
HSL	294°, 45%, 72%
HSV	294°, 30%, 85%
XYZ	49.7558, 40.6464, 70.1889
YIQ	175.7520, 13.7030, 32.5110

Conversions

Conversions Part 2

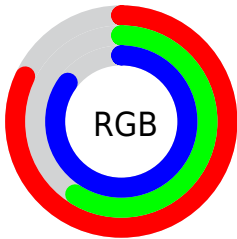
Format	Color
R_{YB}	209, 151, 216
Decimal	13735896
CIE _{Lab}	69.93, 32.59, -24.62
CIE _{LCh}	70, 40.845, 322.935
Yxy	40.6464, 0.3098, 0.2531
Android (android.graphics.Color)	4291925976 (0xFFD197D8)
YUV	175.7520, 19.8423, 29.1585
Hunter-Lab	63.7545, 27.7359, -20.6456

Details

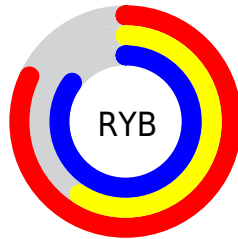
The RYB color `209, 151, 216` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `151, 216, 209`, and the grayscale version is `176, 176, 176`.

A 20% lighter version of the original color is `255, 206, 255`, and `154, 99, 161` is the 20% darker color. If you saturate the color by 10%, you get `207, 129, 216`, and if you desaturate by 10%, it is `211, 173, 216`.

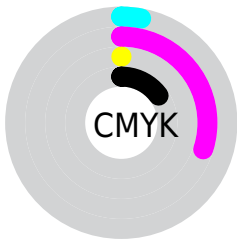
Distribution



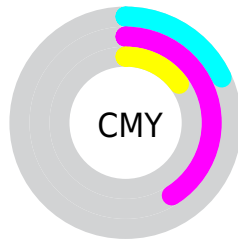
- Red (82%)
- Green (59%)
- Blue (85%)



- Red (82%)
- Yellow (59%)
- Blue (85%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)





- Cyan (18%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the RYB color 209, 151, 216 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, 151, 216 by changing the saturation by 10% instead.

 209, 151, 216

 209, 151, 216

255, 255, 255


 181, 125, 188

 255, 206, 255

 154, 99, 161

 255, 234, 255

 127, 74, 135

 101, 50, 109

 76, 27, 85

 52, 2, 61


 34, 0, 40


 0, 1, 16

 0, 0, 0

 209, 151, 216

 209, 151, 216

 207, 129, 216


 211, 173, 216

 204, 108, 216

 214, 194, 216

 202, 86, 216


 216, 216, 216

 200, 65, 216

 216, 237, 235

 197, 43, 216

 216, 255, 250

 195, 21, 216

 216, 255, 248

 193, 0, 216

 216, 255, 246

 216, 255, 243

 216, 255, 241

Harmonies

Analogous

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



162, 165, 239



209, 151, 216



236, 142, 181

Triad

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



209, 151, 216



154, 203, 97



0, 97, 199

Complementary

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



209, 151, 216



151, 216, 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.



70, 138, 190



209, 151, 216



101, 177, 112

Square

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



209, 151, 216



230, 174, 113



123, 184, 186



0, 103, 229

Rectangle

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



209, 151, 216



243, 142, 156



123, 184, 186



4, 99, 191

Sweetspot

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



209, 151, 216



253, 232, 255



151, 158, 216



126, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



209, 151, 216



245, 163, 255



216, 151, 191



106, 96, 107



152, 0, 171



39, 0, 43

Inverse Universe

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



216, 151, 158



255, 163, 173



151, 198, 216



107, 96, 98



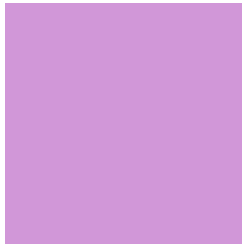
171, 0, 18



43, 0, 5

Previews

White Background



This preview shows how the RYB color 209, 151, 216 looks on a white background.

Color Contrast Check

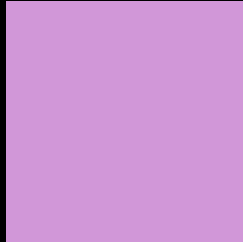
Large Text (above 18pt) WCAG AA × Fail

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, 151, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

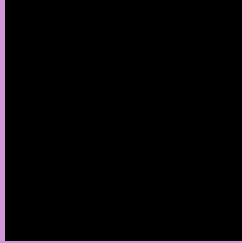
Any Text WCAG AA ✓ Pass

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, 151, 216 Background



This preview shows how black text looks on a background with the RYB color 209, 151, 216.

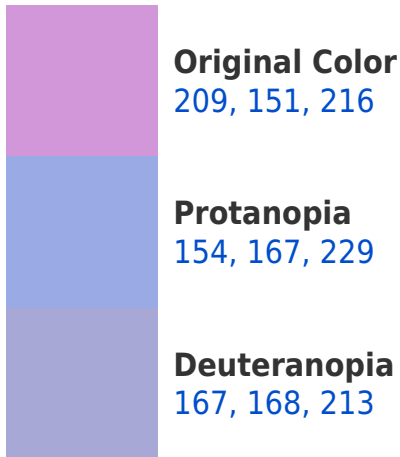



This preview shows how white text looks on a background with the RYB color 209, 151, 216.

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





Tritanopia

203, 160, 172

Trichromacy



Original Color

209, 151, 216



Protanomaly

174, 162, 224



Deuteranomaly

182, 162, 214



Tritanomaly

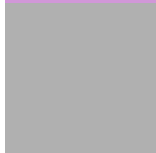
205, 157, 188

Monochromacy



Original Color

209, 151, 216



Achromatopsia

176, 176, 176



Achromatomaly

188, 167, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 151, 216 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, 151, 216) looks like.

```
.text, #text, p{  
    color:rgb(209, 151, 216)  
}
```

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, 151, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 151, 216) }
```

Border

The CSS property to change the border of an element to RYB 209, 151, 216 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, 151, 216) }
```

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

```
.border{ border-color:rgb(209, 151, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 151, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 151, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 151, 216);  
box-shadow:4px 4px 4px 4px rgb(209, 151,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 209, 151, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 151, 216) }
```

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

```
.background{ background-color: rgb(209,  
151, 216) }
```

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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