

Converting Colors

`RYB(199, 131, 230)`

Have a look what the booklet for
RYB(199, 131, 230) contains.

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Color

`RYB(199, 131, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	C783E6
RGB	199, 131, 230
RGB Percent	78%, 51%, 90%
CMY	0.2196, 0.4863, 0.0980
CMYK	0.13, 0.43, 0.00, 0.10
HSL	281°, 66%, 71%
HSV	281°, 43%, 90%
XYZ	45.9524, 34.0879, 79.0206
YIQ	162.6180, 8.7490, 45.2050

Conversions

Conversions Part 2

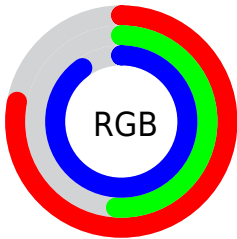
Format	Color
R_{YB}	199, 131, 230
Decimal	13075430
CIE _{Lab}	65.03, 43.15, -40.02
CIE _{LCh}	65, 58.853, 317.156
Yxy	34.0879, 0.2889, 0.2143
Android (android.graphics.Color)	4291265510 (0xFFC783E6)
YUV	162.6180, 33.2193, 31.9070
Hunter-Lab	58.3848, 38.3169, -39.3763

Details

The RYB color **199, 131, 230** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **131, 230, 199**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **255, 185, 255**, and **143, 79, 174** is the 20% darker color. If you saturate the color by 10%, you get **192, 108, 230**, and if you desaturate by 10%, it is **206, 154, 230**.

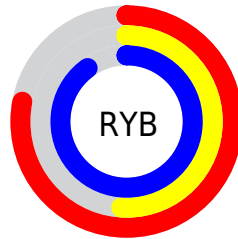
Distribution



Red (78%)

Green (51%)

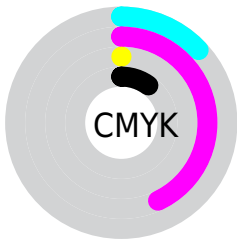
Blue (90%)



Red (78%)

Yellow (51%)

Blue (90%)

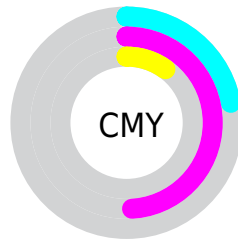


Cyan (13%)

Magenta (43%)

Yellow (0%)

Black (10%)



Cyan (22%)

Magenta (49%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 131, 230 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 199, 131, 230 by changing the saturation by 10% instead.

 199, 131, 230


255, 255, 255


 255, 185, 255

 255, 213, 255

 255, 242, 255

 199, 131, 230

 171, 105, 202


 143, 79, 174


 116, 54, 147

 90, 29, 121

 64, 0, 96

 39, 0, 71


 11, 0, 48

 0, 1, 26

 0, 0, 0

 199, 131, 230


 199, 131, 230

 192, 108, 230

 206, 154, 230

 185, 85, 230


 213, 177, 230

 177, 62, 230

 221, 200, 230

 170, 39, 230

 228, 223, 230

 163, 16, 230

 230, 246, 241

 158, 0, 230

 230, 255, 243

 230, 255, 236

 230, 255, 230

Harmonies

Analogous

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



118, 146, 255



199, 131, 230



242, 113, 183

Triad

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



199, 131, 230



141, 205, 49



0, 92, 187

Complementary

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



199, 131, 230



131, 230, 199

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.



0, 105, 182



199, 131, 230



48, 164, 55

Square

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



199, 131, 230



240, 143, 82



82, 176, 163



0, 102, 234

Rectangle

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



199, 131, 230



254, 109, 147



82, 176, 163



0, 95, 183

Sweetspot

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



199, 131, 230



245, 222, 255



131, 155, 230



121, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 131, 230



213, 122, 255



230, 131, 212



111, 103, 115



123, 0, 179



35, 0, 51

Inverse Universe

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



230, 131, 162



255, 122, 164



131, 215, 230



115, 103, 107



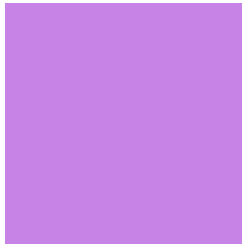
179, 0, 56



51, 0, 16

Previews

White Background



This preview shows how the RYB color 199, 131, 230 looks on a white background.

Color Contrast Check

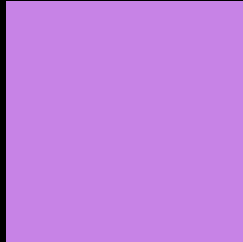
Large Text (above 18pt) WCAG AA × Fail

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 199, 131, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

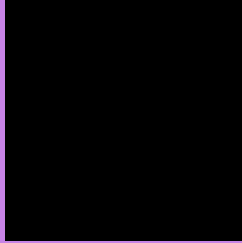
Any Text WCAG AA ✓ Pass

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 199, 131, 230 Background



This preview shows how black text looks on a background with the RYB color 199, 131, 230.

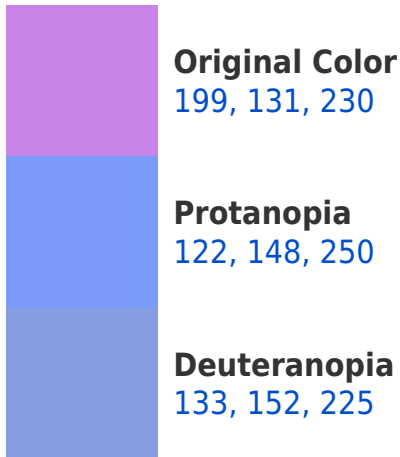



This preview shows how white text looks on a background with the RYB color 199, 131, 230.

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
188, 147, 158

Trichromacy



Original Color

199, 131, 230



Protanomaly

150, 146, 243



Deuteranomaly

157, 148, 227



Tritanomaly

192, 141, 184

Monochromacy



Original Color

199, 131, 230



Achromatopsia

163, 163, 163



Achromatomaly

176, 151, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 131, 230 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(199, 131, 230)` looks like.

```
.text, #text, p{  
    color:rgb(199, 131, 230)  
}
```

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(199, 131, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 131, 230) }
```

Border

The CSS property to change the border of an element to RYB 199, 131, 230 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(199, 131, 230) }
```

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

```
.border{ border-color:rgb(199, 131, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 131, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 131, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 131, 230);  
box-shadow:4px 4px 4px 4px rgb(199, 131,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 199, 131, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 131, 230) }
```

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

```
.background{ background-color: rgb(199,  
131, 230) }
```

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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