

Converting Colors

`RYB(204, 131, 200)`

Have a look what the booklet for
RYB(204, 131, 200) contains.

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Color

$\text{RYB}(204, 131, 200)$

Conversions

Conversions Part 1

Format	Color
Hex	CC83C8
RGB	204, 131, 200
RGB Percent	80%, 51%, 78%
CMY	0.2000, 0.4863, 0.2157
CMYK	0.00, 0.36, 0.02, 0.20
HSL	303°, 42%, 66%
HSV	303°, 36%, 80%
XYZ	43.4435, 33.2401, 58.7698
YIQ	160.6930, 21.3590, 36.9350

Conversions

Conversions Part 2

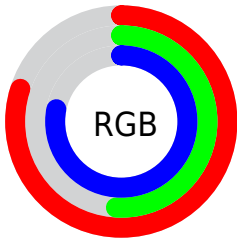
Format	Color
R_{YB}	204, 131, 200
Decimal	13403080
CIE _{Lab}	64.35, 38.79, -24.30
CIE _{LCh}	64, 45.775, 327.941
Yxy	33.2401, 0.3207, 0.2454
Android (android.graphics.Color)	4291593160 (0xFFCC83C8)
YUV	160.6930, 19.3784, 37.9802
Hunter-Lab	57.6542, 33.6080, -20.0793

Details

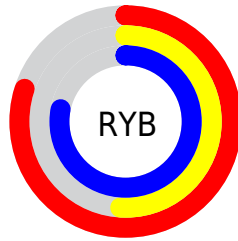
The RYB color **204, 131, 200** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **131, 200, 204**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 185, 255**, and **148, 80, 146** is the 20% darker color. If you saturate the color by 10%, you get **204, 111, 199**, and if you desaturate by 10%, it is **204, 151, 201**.

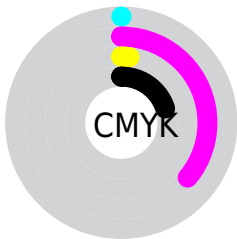
Distribution



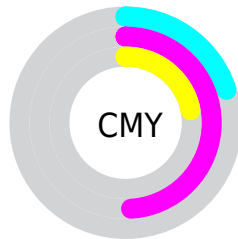
- Red (80%)
- Green (51%)
- Blue (78%)



- Red (80%)
- Yellow (51%)
- Blue (78%)



- Cyan (0%)
- Magenta (36%)
- Yellow (2%)
- Black (20%)




- Cyan (20%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the RYB color 204, 131, 200 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, 131, 200 by changing the saturation by 10% instead.

 204, 131, 200

 204, 131, 200

255, 255, 255

 176, 105, 173

 255, 185, 255


 148, 80, 146

 255, 213, 255

 122, 55, 120

 255, 242, 255


 96, 30, 95


 71, 1, 71


 47, 0, 48


 19, 0, 27

 0, 0, 0


 204, 131, 200

 204, 131, 200

 204, 111, 199

 204, 151, 201

 204, 90, 198

 204, 172, 202

 204, 70, 197

 204, 192, 203

 204, 49, 196

 204, 213, 213

 204, 29, 194

 204, 231, 233

 204, 9, 193

 204, 250, 253

 204, 0, 193

 204, 251, 255

 204, 250, 255

 204, 250, 255

Harmonies

Analogous

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



155, 146, 228



204, 131, 200



230, 122, 161

Triad

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



204, 131, 200



113, 183, 72



0, 92, 193

Complementary

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



204, 131, 200



131, 200, 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.



0, 95, 177



204, 131, 200



81, 165, 104

Square

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



204, 131, 200



215, 170, 88



91, 157, 173



0, 97, 224

Rectangle

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



204, 131, 200



234, 123, 133



91, 157, 173



0, 89, 180

Sweetspot

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



204, 131, 200



255, 227, 253



135, 131, 204



128, 111, 127



0, 0, 0



128, 128, 128

Same Dimension

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



204, 131, 200



255, 145, 249



204, 131, 164



102, 92, 101



166, 0, 157



38, 0, 36

Inverse Universe

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



204, 131, 200



255, 145, 249



131, 178, 204



102, 92, 101



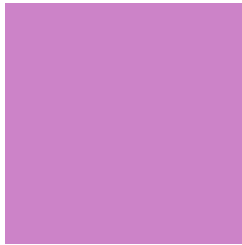
166, 0, 157



38, 0, 36

Previews

White Background



This preview shows how the RYB color 204, 131, 200 looks on a white background.

Color Contrast Check

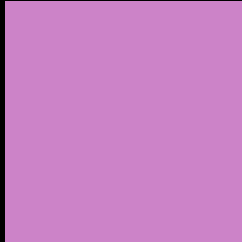
Large Text (above 18pt) WCAG AA × Fail

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, 131, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

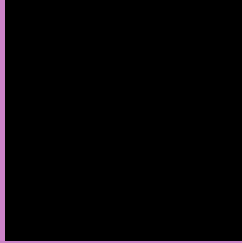
Any Text WCAG AA ✓ Pass

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, 131, 200 Background



This preview shows how black text looks on a background with the RYB color 204, 131, 200.

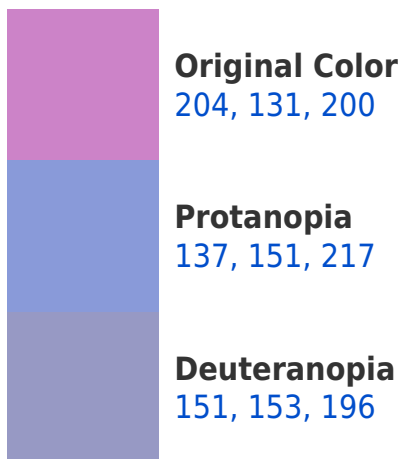



This preview shows how white text looks on a background with the RYB color 204, 131, 200.

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
198, 141, 152

Trichromacy



Original Color

204, 131, 200



Protanomaly

161, 146, 211



Deuteranomaly

170, 145, 197



Tritanomaly

200, 137, 169

Monochromacy



Original Color

204, 131, 200



Achromatopsia

161, 161, 161



Achromatomaly

177, 150, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 131, 200 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, 131, 200) looks like.

```
.text, #text, p{  
    color:rgb(204, 131, 200)  
}
```

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, 131, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 131, 200) }
```

Border

The CSS property to change the border of an element to RYB 204, 131, 200 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, 131, 200) }
```

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

```
.border{ border-color:rgb(204, 131, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 131, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 131, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 131, 200);  
box-shadow:4px 4px 4px 4px rgb(204, 131,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 204, 131, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 131, 200) }
```

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

```
.background{ background-color: rgb(204,  
131, 200) }
```

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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