

Converting Colors

`RYB(196, 171, 233)`

Have a look what the booklet for
RYB(196, 171, 233) contains.

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Color

R_YB(196, 171, 233)

Conversions

Conversions Part 1

Format	Color
Hex	C4ABE9
RGB	196, 171, 233
RGB Percent	77%, 67%, 91%
CMY	0.2314, 0.3294, 0.0863
CMYK	0.16, 0.27, 0.00, 0.09
HSL	264°, 58%, 79%
HSV	264°, 27%, 91%
XYZ	52.0358, 46.7448, 83.3709
YIQ	185.5430, -5.0020, 24.5820

Conversions

Conversions Part 2

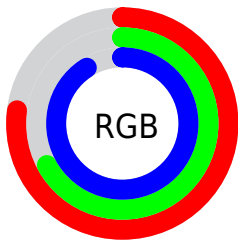
Format	Color
R_{YB}	196, 171, 233
Decimal	12889065
CIE _{Lab}	74.03, 20.99, -27.75
CIE _{LCh}	74, 34.796, 307.099
Yxy	46.7448, 0.2857, 0.2566
Android (android.graphics.Color)	4291079145 (0xFFC4ABE9)
YUV	185.5430, 23.3963, 9.1708
Hunter-Lab	68.3702, 16.2068, -24.4394

Details

The RYB color **196, 171, 233** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **171, 233, 196**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **253, 226, 255**, and **142, 119, 177** is the 20% darker color. If you saturate the color by 10%, you get **182, 148, 233**, and if you desaturate by 10%, it is **210, 194, 233**.

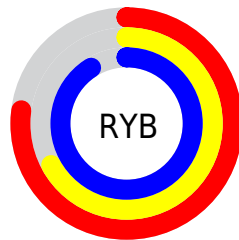
Distribution



Red (77%)

Green (67%)

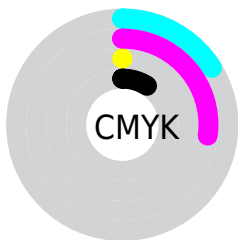
Blue (91%)



Red (77%)

Yellow (67%)

Blue (91%)

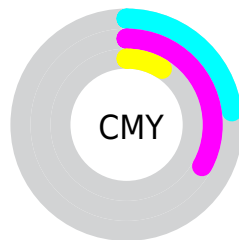


Cyan (16%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (23%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 171, 233 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 196, 171, 233 by changing the saturation by 10% instead.

■ 196, 171, 233

255, 255, 255

■ 253, 226, 255

■ 196, 171, 233

■ 168, 144, 205

■ 142, 119, 177

■ 115, 94, 150

■ 90, 70, 124

■ 66, 47, 99

■ 42, 26, 75

■ 20, 2, 52

■ 0, 2, 30

■ 0, 0, 1

■ 196, 171, 233

■ 196, 171, 233

■ 182, 148, 233

■ 210, 194, 233

■ 168, 124, 233

■ 224, 218, 233

■ 154, 101, 233

■ 233, 241, 236

■ 140, 78, 233

■ 233, 255, 236

■ 126, 54, 233

■ 233, 255, 233

■ 113, 31, 233

■ 99, 8, 233

■ 94, 0, 233

Harmonies

Analogous

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



150, 174, 245



196, 171, 233



229, 161, 208

Triad

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



196, 171, 233



225, 215, 124



87, 146, 199

Complementary

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



196, 171, 233



171, 233, 196

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.



124, 175, 197



196, 171, 233



135, 196, 118

Square

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



196, 171, 233



242, 166, 145



130, 192, 160



71, 139, 219

Rectangle

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



196, 171, 233



241, 158, 186



130, 192, 160



98, 154, 199

Sweetspot

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



196, 171, 233



243, 235, 255



171, 194, 233



120, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



196, 171, 233



206, 173, 255



227, 171, 233



110, 106, 117



73, 0, 181



22, 0, 54

Inverse Universe

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



233, 171, 208



255, 173, 222



171, 233, 227



117, 106, 113



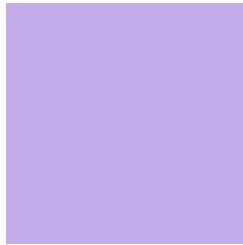
181, 0, 108



54, 0, 32

Previews

White Background



This preview shows how the RYB color 196, 171, 233 looks on a white background.

Color Contrast Check

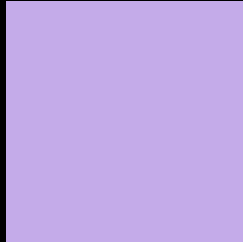
Large Text (above 18pt) WCAG AA × Fail

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 196, 171, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

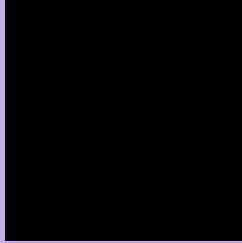
Any Text WCAG AA ✓ Pass

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 196, 171, 233 Background



This preview shows how black text looks on a background with the RYB color 196, 171, 233.



This preview shows how white text looks on a background with the RYB color 196, 171, 233.

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
196, 171, 233

Protanopia
166, 178, 240

Deuteranopia
174, 179, 231



Tritanopia
189, 179, 193

Trichromacy



Original Color
196, 171, 233

Protanomaly
177, 177, 237

Deuteranomaly
182, 176, 232

Tritanomaly
192, 176, 208

Monochromacy



Original Color
196, 171, 233

Achromatopsia
186, 186, 186

Achromatomaly
190, 181, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 171, 233 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(196, 171, 233)` looks like.

```
.text, #text, p{  
    color:rgb(196, 171, 233)  
}
```

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(196, 171, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 171, 233) }
```

Border

The CSS property to change the border of an element to RYB 196, 171, 233 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(196, 171, 233) }
```

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

```
.border{ border-color:rgb(196, 171, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 171, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 171, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 171, 233);  
box-shadow:4px 4px 4px 4px rgb(196, 171,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 196, 171, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 171, 233) }
```

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

```
.background{ background-color: rgb(196,  
171, 233) }
```

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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