

Converting Colors

`RYB(202, 200, 255)`

Have a look what the booklet for
RYB(202, 200, 255) contains.

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Color

R_YB(202, 200, 255)

Conversions

Conversions Part 1

Format	Color
Hex	CAC8FF
RGB	202, 200, 255
RGB Percent	79%, 78%, 100%
CMY	0.2078, 0.2157, 0.0000
CMYK	0.21, 0.22, 0.00, 0.00
HSL	242°, 100%, 89%
HSV	242°, 22%, 100%
XYZ	63.0614, 61.0851, 103.0747
YIQ	206.8680, -16.4630, 17.5290

Conversions

Conversions Part 2

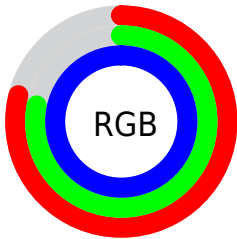
Format	Color
R _Y B	202, 200, 255
Decimal	13289727
CIE Lab	82.42, 11.85, -26.68
CIE LCh	82, 29.194, 293.946
Yxy	61.0851, 0.2775, 0.2688
Android (android.graphics.Color)	4291479807 (0xFFCAC8FF)
YUV	206.8680, 23.7291, -4.2692
Hunter-Lab	78.1570, 7.2491, -23.4827

Details

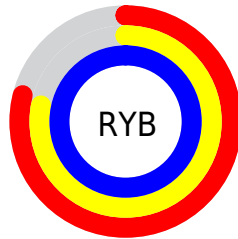
The RYB color `202, 200, 255` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `200, 255, 202`, and the grayscale version is `207, 207, 207`.

A 20% lighter version of the original color is `255, 255, 255`, and `147, 146, 198` is the 20% darker color. If you saturate the color by 10%, you get `177, 175, 255`, and if you desaturate by 10%, it is `227, 226, 255`.

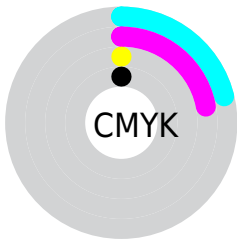
Distribution



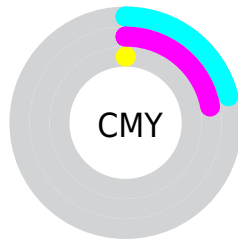
- Red (79%)
- Green (78%)
- Blue (100%)



- Red (79%)
- Yellow (78%)
- Blue (100%)



- Cyan (21%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 200, 255 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 202, 200, 255 by changing the saturation by 10% instead.

■ 202, 200, 255

255, 255, 255

■ 202, 200, 255

■ 174, 173, 226

■ 147, 146, 198

■ 121, 120, 171

■ 95, 96, 144

■ 70, 72, 118

■ 46, 50, 93


■ 21, 28, 70

■ 0, 3, 47

■ 0, 1, 26

 202, 200, 255

 202, 200, 255

 177, 175, 255


 227, 226, 255

 153, 149, 255

 251, 251, 255

 128, 123, 255

255, 255, 255

 104, 98, 255

 79, 73, 255

 55, 47, 255

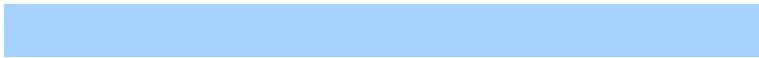
 30, 22, 255

 9, 0, 255

Harmonies

Analogous

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



164, 194, 255



202, 200, 255



235, 191, 238

Triad

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



202, 200, 255



251, 207, 162



141, 187, 220

Complementary

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



202, 200, 255



200, 255, 202

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.



171, 216, 217



202, 200, 255



197, 230, 151

Square

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



202, 200, 255



255, 186, 184



155, 210, 163



124, 173, 226

Rectangle

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



202, 200, 255



250, 187, 221



155, 210, 163



150, 194, 219

Sweetspot

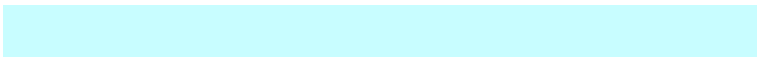
The Sweet Spot groups the original color and five complimentary colors.



202, 200, 255



240, 240, 255



200, 227, 255



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 200, 255



191, 189, 255



229, 200, 255



115, 115, 128



7, 0, 191



2, 0, 64

Inverse Universe

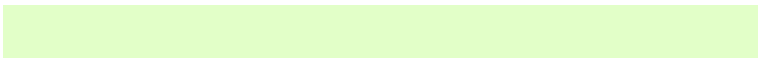
The Inverse Universe completely reimagines the original color for something new.



255, 200, 253



255, 189, 253



200, 255, 229



128, 115, 127



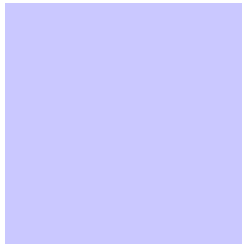
191, 0, 184



64, 0, 61

Previews

White Background



This preview shows how the RYB color 202, 200, 255 looks on a white background.

Color Contrast Check

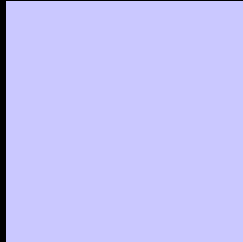
Large Text (above 18pt) WCAG AA × Fail

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 202, 200, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

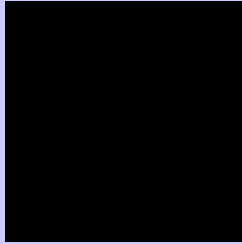
Any Text WCAG AA ✓ Pass

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 202, 200, 255 Background



This preview shows how black text looks on a background with the RYB color 202, 200, 255.

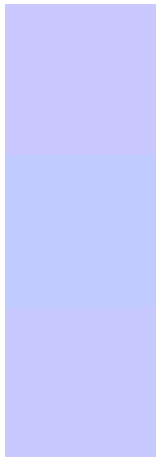


This preview shows how white text looks on a background with the RYB color 202, 200, 255.

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
202, 200, 255

Protanopia
192, 201, 255

Deuteranopia
199, 201, 255



Tritanopia
196, 203, 222

Trichromacy



Original Color

202, 200, 255

Protanomaly

196, 201, 255

Deuteranomaly

200, 201, 255

Tritanomaly

198, 203, 234

Monochromacy



Original Color

202, 200, 255

Achromatopsia

207, 207, 207

Achromatomaly

205, 204, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 200, 255 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(202, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 200, 255)  
}
```

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(202, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 200, 255) }
```

Border

The CSS property to change the border of an element to RYB 202, 200, 255 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(202, 200, 255) }
```

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

```
.border{ border-color:rgb(202, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 200,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 202, 200, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 200, 255) }
```

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

```
.background{ background-color: rgb(202,  
200, 255) }
```

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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