

Converting Colors

`RYB(202, 200, 253)`

Have a look what the booklet for
RYB(202, 200, 253) contains.

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Color

R_YB(202, 200, 253)

Conversions

Conversions Part 1

Format	Color
Hex	CAC8FD
RGB	202, 200, 253
RGB Percent	79%, 78%, 99%
CMY	0.2078, 0.2157, 0.0078
CMYK	0.20, 0.21, 0.00, 0.01
HSL	242°, 93%, 89%
HSV	242°, 21%, 99%
XYZ	62.7410, 60.9570, 101.3876
YIQ	206.6400, -15.8210, 16.9070

Conversions

Conversions Part 2

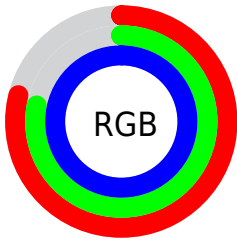
Format	Color
R _Y B	202, 200, 253
Decimal	13289725
CIE Lab	82.36, 11.41, -25.72
CIE LCh	82, 28.138, 293.914
Yxy	60.9570, 0.2787, 0.2708
Android (android.graphics.Color)	4291479805 (0xFFCAC8FD)
YUV	206.6400, 22.8555, -4.0693
Hunter-Lab	78.0749, 6.8115, -22.3411

Details

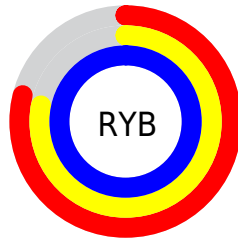
The RYB color `202, 200, 253` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `200, 253, 202`, and the grayscale version is `206, 206, 206`.

A 20% lighter version of the original color is `255, 255, 255`, and `147, 146, 196` is the 20% darker color. If you saturate the color by 10%, you get `178, 175, 253`, and if you desaturate by 10%, it is `226, 225, 253`.

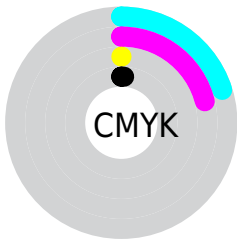
Distribution



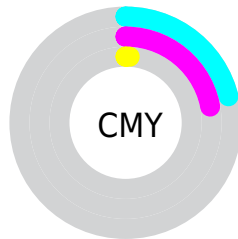
- Red (79%)
- Green (78%)
- Blue (99%)



- Red (79%)
- Yellow (78%)
- Blue (99%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (21%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 200, 253 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, 253 by changing the saturation by 10% instead.

■ 202, 200, 253

255, 255, 255

■ 202, 200, 253

■ 174, 173, 224

■ 147, 146, 196

■ 121, 120, 169

■ 95, 96, 142

■ 71, 72, 117

■ 46, 50, 92

■ 22, 28, 68

■ 1, 3, 46

■ 0, 1, 24

■ 202, 200, 253

■ 202, 200, 253

■ 178, 175, 253

■ 226, 225, 253

■ 153, 149, 253

■ 251, 251, 253

■ 129, 124, 253

253, 255, 253

■ 105, 99, 253

■ 80, 74, 253

■ 56, 48, 253

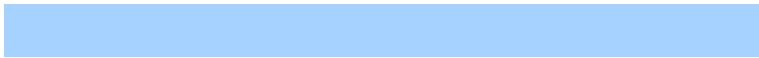
■ 32, 23, 253

■ 10, 0, 253

Harmonies

Analogous

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



165, 195, 255



202, 200, 253



234, 191, 236

Triad

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



202, 200, 253



250, 209, 163



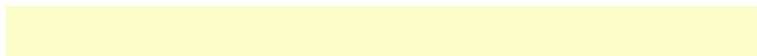
144, 188, 220

Complementary

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



202, 200, 253



200, 253, 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.



172, 215, 216



202, 200, 253



200, 230, 153

Square

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



202, 200, 253



255, 187, 185



156, 210, 164



128, 175, 225

Rectangle

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



202, 200, 253



249, 187, 220



156, 210, 164



153, 196, 219

Sweetspot

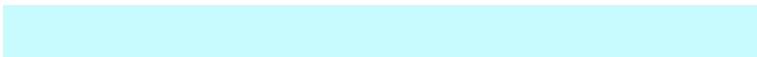
The Sweet Spot groups the original color and five complimentary colors.



202, 200, 253



240, 240, 255



200, 226, 253



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, 253



194, 191, 255



228, 200, 253



115, 115, 128



7, 0, 191



2, 0, 64

Inverse Universe

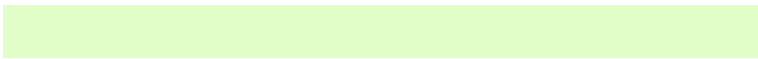
The Inverse Universe completely reimagines the original color for something new.



253, 200, 251



255, 191, 253



200, 253, 228



128, 115, 127



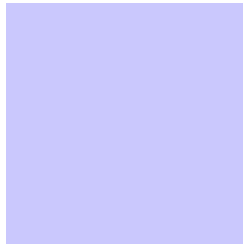
191, 0, 184



64, 0, 61

Previews

White Background



This preview shows how the RYB color 202, 200, 253 looks on a white background.

Color Contrast Check

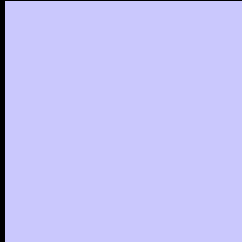
Large Text (above 18pt) WCAG AA × Fail

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, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

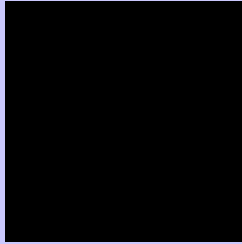
Any Text WCAG AA ✓ Pass

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, 253 Background



This preview shows how black text looks on a background with the RYB color 202, 200, 253.



This preview shows how white text looks on a background with the RYB color 202, 200, 253.

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, 253

Protanopia
192, 201, 255

Deuteranopia
200, 201, 253



Tritanopia
196, 203, 222

Trichromacy



Original Color
202, 200, 253

Protanomaly
196, 201, 254

Deuteranomaly
201, 201, 253

Tritanomaly
198, 203, 233

Monochromacy



Original Color
202, 200, 253

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, 253 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, 253)` looks like.

```
.text, #text, p{  
  color:rgb(202, 200, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 200, 253) }
```

Border

The CSS property to change the border of an element to RYB 202, 200, 253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

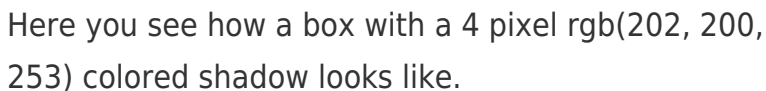
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 200, 253) }
```

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

```
.border{ border-color:rgb(202, 200, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 200, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 200, 253); box-shadow:4px 4px 4px 4px rgb(202, 200, 253) }
```

Background

The CSS property to change the background color of an element to RYB 202, 200, 253 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, 253) }
```

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

```
.background{ background-color: rgb(202,  
200, 253) }
```

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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