

Converting Colors

`RYB(226, 200, 255)`

Have a look what the booklet for
RYB(226, 200, 255) contains.

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Color

R_YB(226, 200, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E2C8FF
RGB	226, 200, 255
RGB Percent	89%, 78%, 100%
CMY	0.1137, 0.2157, 0.0000
CMYK	0.11, 0.22, 0.00, 0.00
HSL	268°, 100%, 89%
HSV	268°, 22%, 100%
XYZ	70.0683, 64.6973, 103.4026
YIQ	214.0440, -2.1590, 22.6170

Conversions

Conversions Part 2

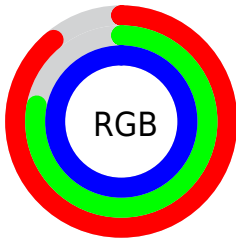
Format	Color
R _Y B	226, 200, 255
Decimal	14862591
CIE Lab	84.33, 19.23, -23.61
CIE LCh	84, 30.451, 309.171
Yxy	64.6973, 0.2942, 0.2716
Android (android.graphics.Color)	4293052671 (0xFFE2C8FF)
YUV	214.0440, 20.1913, 10.4854
Hunter-Lab	80.4346, 14.7345, -19.9159

Details

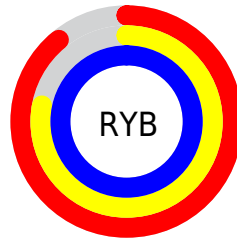
The RYB color `226, 200, 255` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `200, 255, 226`, and the grayscale version is `214, 214, 214`.

A 20% lighter version of the original color is `255, 255, 255`, and `170, 146, 198` is the 20% darker color. If you saturate the color by 10%, you get `213, 175, 255`, and if you desaturate by 10%, it is `239, 226, 255`.

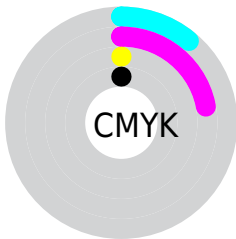
Distribution



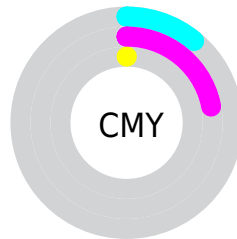
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 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 226, 200, 255 by changing the saturation by 10% instead.

■ 226, 200, 255

255, 255, 255

■ 226, 200, 255

■ 198, 173, 226

■ 170, 146, 198

■ 143, 120, 171

■ 117, 95, 144

■ 92, 71, 118

■ 68, 49, 94


■ 45, 27, 70

■ 24, 4, 47

■ 0, 1, 26

 226, 200, 255

 226, 200, 255

 213, 175, 255

 239, 226, 255

 199, 149, 255

 253, 251, 255

 186, 123, 255


255, 255, 255

 172, 98, 255

 159, 73, 255

 145, 47, 255

 132, 22, 255

 121, 0, 255

Harmonies

Analogous

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



187, 204, 255



226, 200, 255



255, 192, 231

Triad

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



226, 200, 255



249, 245, 157



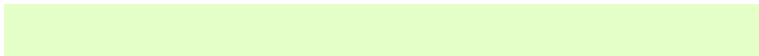
132, 182, 227

Complementary

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



226, 200, 255



200, 255, 226

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.



158, 204, 225



226, 200, 255



167, 222, 154

Square

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



226, 200, 255



255, 198, 175



165, 220, 195



126, 180, 246

Rectangle

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



226, 200, 255



255, 190, 212



165, 220, 195



139, 187, 226

Sweetspot

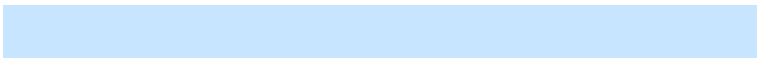
The Sweet Spot groups the original color and five complimentary colors.



226, 200, 255



247, 240, 255



200, 219, 255



123, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



226, 200, 255



220, 189, 255



253, 200, 255



121, 115, 128



90, 0, 191



30, 0, 64

Inverse Universe

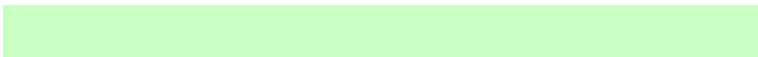
The Inverse Universe completely reimagines the original color for something new.



255, 200, 229



255, 189, 224



200, 255, 253



128, 115, 121



191, 0, 101



64, 0, 34

Previews

White Background



This preview shows how the RYB color 226, 200, 255 looks on a white background.

Color Contrast Check

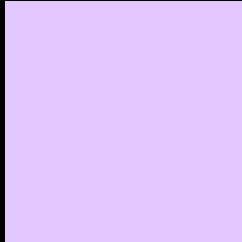
Large Text (above 18pt) WCAG AA × Fail

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 226, 200, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

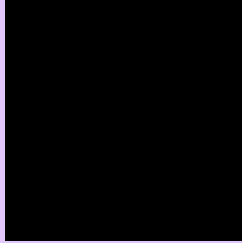
Any Text WCAG AA ✓ Pass

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 226, 200, 255 Background



This preview shows how black text looks on a background with the RYB color 226, 200, 255.

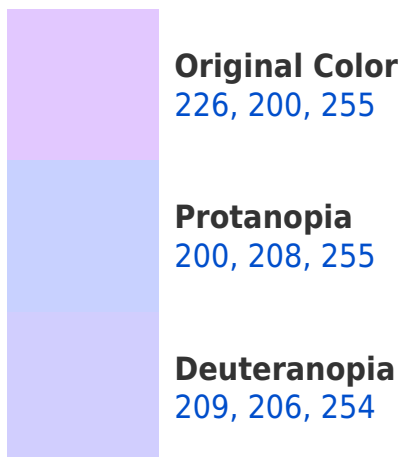


This preview shows how white text looks on a background with the RYB color 226, 200, 255.

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





Tritanopia
221, 206, 222

Trichromacy



Original Color
226, 200, 255

Protanomaly
209, 206, 255

Deuteranomaly
215, 204, 254

Tritanomaly
223, 204, 234

Monochromacy



Original Color
226, 200, 255

Achromatopsia
214, 214, 214

Achromatomaly
218, 209, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 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(226, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 200, 255) }
```

Border

The CSS property to change the border of an element to RYB 226, 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(226, 200, 255) }
```

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

```
.border{ border-color:rgb(226, 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(226, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 200,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 226, 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(226, 200, 255) }
```

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

```
.background{ background-color: rgb(226,  
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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