

Converting Colors

`RYB(212, 220, 255)`

Have a look what the booklet for RYB(212, 220, 255) contains.

RYB(212, 220, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(212, 220, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	D4DEFF
RGB	212, 222, 255
RGB Percent	83%, 87%, 100%
CMY	0.1686, 0.1301, 0.0000
CMYK	0.17, 0.13, 0.00, 0.00
HSL	226°, 100%, 92%
HSV	226°, 17%, 100%
XYZ	71.2771, 73.3686, 105.0126
YIQ	222.7720, -16.5530, 8.1430

Conversions

Conversions Part 2

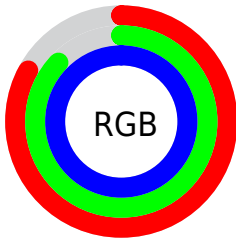
Format	Color
R _Y B	212, 220, 255
Decimal	13950719
CIE Lab	88.62, 3.30, -17.22
CIE LCh	89, 17.530, 280.853
Yxy	73.3686, 0.2855, 0.2939
Android (android.graphics.Color)	4292140799 (0xFFD4DEFF)
YUV	222.7720, 15.8884, -9.4470
Hunter-Lab	85.6555, -1.3605, -12.7300

Details

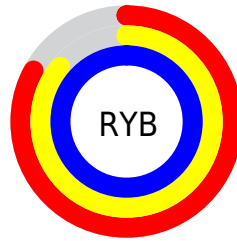
The RYB color **212, 220, 255** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **225, 255, 212**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **157, 165, 198** is the 20% darker color. If you saturate the color by 10%, you get **187, 199, 255**, and if you desaturate by 10%, it is **238, 241, 255**.

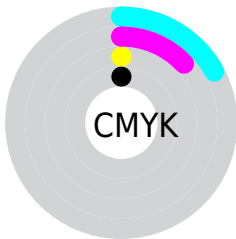
Distribution



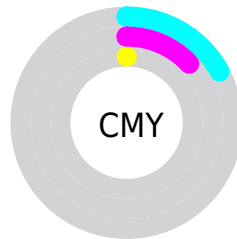
- Red (83%)
- Green (87%)
- Blue (100%)



- Red (83%)
- Yellow (86%)
- Blue (100%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 220, 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 212, 220, 255 by changing the saturation by 10% instead.

■ 212, 220, 255

255, 255, 255

■ 212, 220, 255

■ 184, 192, 226

■ 157, 165, 198

■ 131, 138, 171

■ 105, 113, 144

■ 80, 88, 119

■ 57, 65, 94

■ 34, 42, 70

■ 10, 21, 48

■ 0, 1, 27

■ 212, 220, 255

■ 212, 220, 255

■ 187, 199, 255

■ 238, 241, 255

■ 161, 178, 255

255, 255, 255

■ 136, 158, 255

■ 110, 137, 255

■ 85, 116, 255

■ 59, 96, 255

■ 33, 74, 255

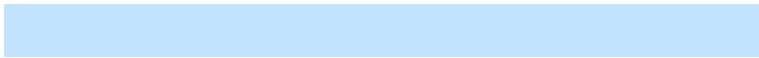
■ 8, 54, 255

■ 0, 47, 255

Harmonies

Analogous

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



192, 214, 253



212, 220, 255



233, 216, 248

Triad

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



212, 220, 255



255, 216, 201



193, 219, 231

Complementary

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



212, 220, 255



225, 255, 212

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.



197, 228, 215



212, 220, 255



246, 244, 191

Square

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



212, 220, 255



255, 211, 217



198, 230, 190



181, 208, 232

Rectangle

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



212, 220, 255



245, 213, 239



198, 230, 190



198, 225, 231

Sweetspot

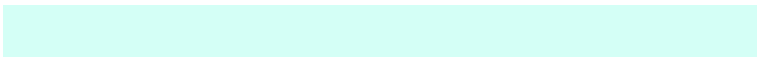
The Sweet Spot groups the original color and five complimentary colors.



212, 220, 255



242, 244, 255



212, 236, 255



120, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 220, 255



204, 214, 255



223, 212, 255



115, 117, 128



0, 36, 191



0, 12, 64

Inverse Universe

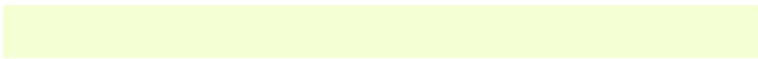
The Inverse Universe completely reimagines the original color for something new.



255, 212, 222



255, 204, 216



212, 255, 223



128, 115, 118



191, 0, 44



64, 0, 15

Previews

White Background



This preview shows how the RYB color 212, 220, 255 looks on a white background.

Color Contrast Check

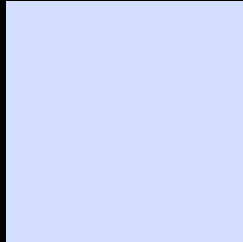
Large Text (above 18pt) WCAG AA × Fail

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 212, 220, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

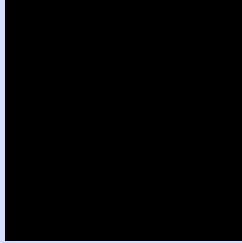
Any Text WCAG AA ✓ Pass

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 212, 220, 255 Background



This preview shows how black text looks on a background with the RYB color 212, 220, 255.



This preview shows how white text looks on a background with the RYB color 212, 220, 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
212, 220, 255

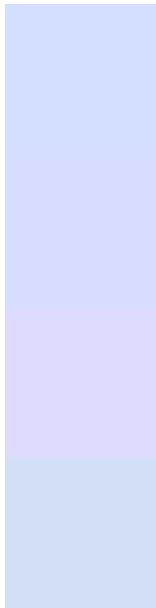
Protanopia
217, 221, 254

Deuteranopia
228, 217, 255



Tritanopia
210, 220, 242

Trichromacy



Original Color
212, 220, 255

Protanomaly
215, 220, 254

Deuteranomaly
222, 219, 255

Tritanomaly
211, 220, 247

Monochromacy



Original Color
212, 220, 255

Achromatopsia
223, 223, 223

Achromatomaly
219, 222, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 220, 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(212, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 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(212, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 255) }
```

Border

The CSS property to change the border of an element to RYB 212, 220, 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(212, 222, 255) }
```

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

```
.border{ border-color:rgb(212, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 212, 220, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 255) }
```

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

```
.background{ background-color: rgb(212,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor