

Converting Colors

`RYB(199, 221, 242)`

Have a look what the booklet for RYB(199, 221, 242) contains.

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Color

R_YB(199, 221, 242)

Conversions

Conversions Part 1

Format	Color
Hex	C7F2F0
RGB	199, 242, 240
RGB Percent	78%, 95%, 94%
CMY	0.2196, 0.0510, 0.0586
CMYK	0.18, 0.00, 0.01, 0.05
HSL	177°, 62%, 86%
HSV	177°, 18%, 95%
XYZ	71.0403, 81.9403, 94.5453
YIQ	228.9150, -24.9860, -9.7380

Conversions

Conversions Part 2

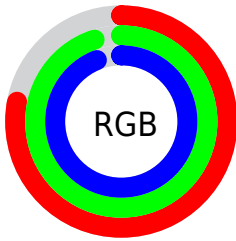
Format	Color
R_{YB}	199, 221, 242
Decimal	13103856
CIE Lab	92.55, -14.12, -3.65
CIE LCh	93, 14.587, 194.501
Yxy	81.9403, 0.2870, 0.3310
Android (android.graphics.Color)	4291293936 (0xFFC7F2F0)
YUV	228.9150, 5.4649, -26.2355
Hunter-Lab	90.5209, -18.3259, 1.4387

Details

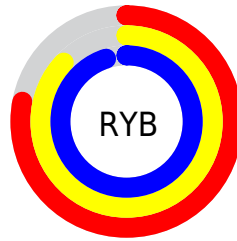
The RYB color `199, 221, 242` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `242, 199, 201`, and the grayscale version is `229, 229, 229`.

A 20% lighter version of the original color is `255, 255, 255`, and `144, 166, 186` is the 20% darker color. If you saturate the color by 10%, you get `175, 209, 242`, and if you desaturate by 10%, it is `223, 233, 242`.

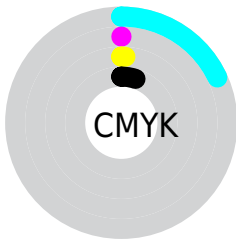
Distribution



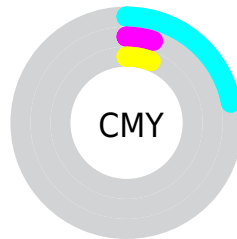
- Red (78%)
- Green (95%)
- Blue (94%)



- Red (78%)
- Yellow (87%)
- Blue (95%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 221, 242 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 199, 221, 242 by changing the saturation by 10% instead.

■ 199, 221, 242

255, 255, 255

■ 199, 221, 242

■ 171, 193, 214

■ 144, 166, 186

■ 118, 139, 159

■ 93, 114, 133

■ 68, 88, 107

■ 44, 64, 83

■ 20, 40, 60

■ 0, 19, 38


■ 0, 9, 17

 199, 221, 242

 199, 221, 242

 175, 209, 242


 223, 233, 242

 151, 198, 242


 247, 242, 242

 126, 185, 242


 255, 242, 243

 102, 174, 242


 255, 242, 244

 78, 162, 242

 255, 242, 246

 54, 150, 242

 255, 242, 247

 30, 139, 242

 255, 242, 248

 5, 126, 242

 255, 242, 249

 0, 124, 242

 255, 242, 250

Harmonies

Analogous

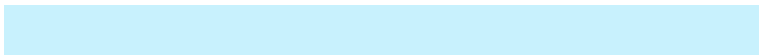
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



207, 229, 241



199, 221, 242



200, 223, 253

Triad

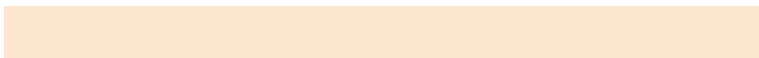
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



199, 221, 242



245, 228, 254



250, 252, 207

Complementary

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



199, 221, 242



242, 199, 201

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.



255, 231, 214



199, 221, 242



255, 225, 241

Square

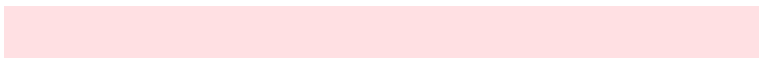
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



199, 221, 242



227, 231, 255



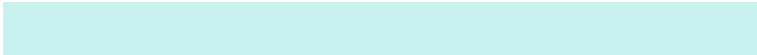
255, 224, 227



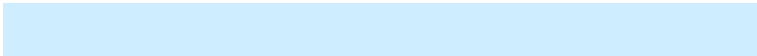
209, 238, 206

Rectangle

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



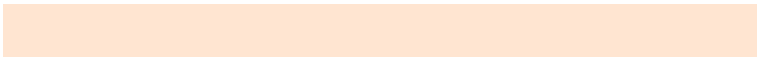
199, 221, 242



206, 225, 255



255, 224, 227



255, 244, 209

Sweetspot

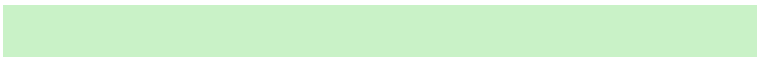
The Sweet Spot groups the original color and five complimentary colors.



199, 221, 242



242, 249, 255



199, 242, 240



120, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 221, 242



201, 229, 255



199, 214, 242



108, 114, 120



0, 94, 184



0, 29, 56

Inverse Universe

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



242, 199, 201



255, 201, 204



242, 233, 199



120, 108, 108



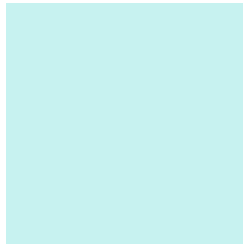
184, 0, 8



56, 0, 3

Previews

White Background



This preview shows how the RYB color 199, 221, 242 looks on a white background.

Color Contrast Check

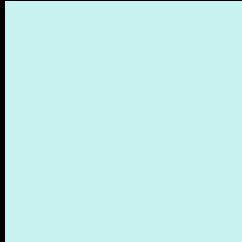
Large Text (above 18pt) WCAG AA × Fail

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 199, 221, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

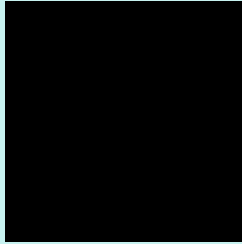
Any Text WCAG AA ✓ Pass

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 199, 221, 242 Background



This preview shows how black text looks on a background with the RYB color 199, 221, 242.

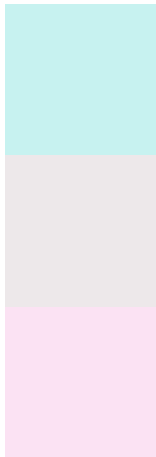


This preview shows how white text looks on a background with the RYB color 199, 221, 242.

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
199, 221, 242

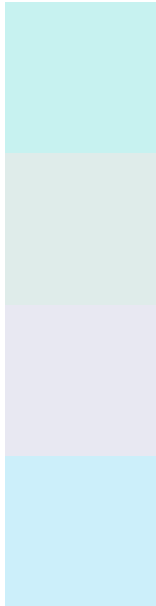
Protanopia
237, 232, 234

Deuteranopia
251, 226, 243



Tritanopia
207, 226, 255

Trichromacy



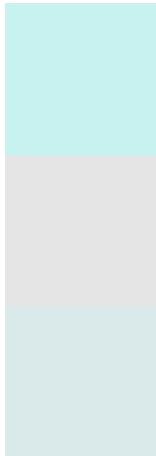
Original Color
199, 221, 242

Protanomaly
223, 230, 236

Deuteranomaly
232, 232, 242

Tritanomaly
204, 224, 250

Monochromacy



Original Color
199, 221, 242

Achromatopsia
229, 229, 229

Achromatomaly
218, 226, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 221, 242 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(199, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 242, 240)  
}
```

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(199, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 242, 240) }
```

Border

The CSS property to change the border of an element to RYB 199, 221, 242 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(199, 242, 240) }
```

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

```
.border{ border-color:rgb(199, 242, 240) }
```

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

Here you see how a box with a 4 pixel rgb(199, 242, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 242,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 199, 221, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 242, 240) }
```

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

```
.background{ background-color: rgb(199,  
242, 240) }
```

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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