

Converting Colors

`RYB(196, 215, 237)`

Have a look what the booklet for
RYB(196, 215, 237) contains.

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Color

R_YB(196, 215, 237)

Conversions

Conversions Part 1

Format	Color
Hex	C4E7ED
RGB	196, 231, 237
RGB Percent	77%, 91%, 93%
CMY	0.2314, 0.0925, 0.0706
CMYK	0.17, 0.02, 0.00, 0.07
HSL	188°, 53%, 85%
HSV	188°, 17%, 93%
XYZ	66.7416, 75.2313, 91.1242
YIQ	221.2190, -22.7860, -5.5540

Conversions

Conversions Part 2

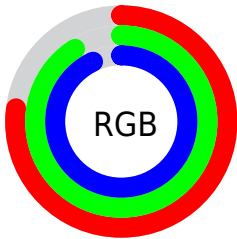
Format	Color
R _{YB}	196, 215, 237
Decimal	12904429
CIE Lab	89.50, -10.33, -6.58
CIE LCh	90, 12.247, 212.481
Yxy	75.2313, 0.2863, 0.3227
Android (android.graphics.Color)	4291094509 (0xFFC4E7ED)
YUV	221.2190, 7.7800, -22.1171
Hunter-Lab	86.7360, -14.4358, -1.5745

Details

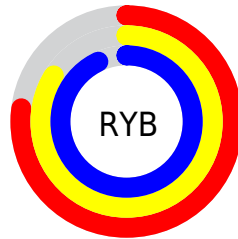
The RYB color **196, 215, 237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **237, 203, 196**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **253, 254, 255**, and **142, 160, 181** is the 20% darker color. If you saturate the color by 10%, you get **172, 202, 237**, and if you desaturate by 10%, it is **220, 228, 237**.

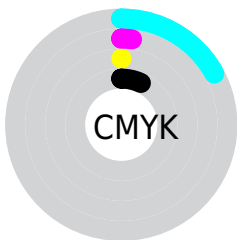
Distribution



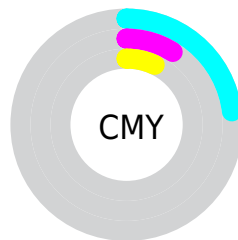
- Red (77%)
- Green (91%)
- Blue (93%)



- Red (77%)
- Yellow (84%)
- Blue (93%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)














- Cyan (23%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 215, 237 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 196, 215, 237 by changing the saturation by 10% instead.

 196, 215, 237	 196, 215, 237
255, 255, 255	 168, 187, 209
253, 254, 255	 142, 160, 181
	 116, 134, 154
	 90, 108, 128
	 66, 83, 103
	 42, 59, 79
	 19, 36, 56
	 0, 16, 35
	 0, 1, 14

196, 215, 237

196, 215, 237

172, 202, 237

220, 228, 237

149, 190, 237

243, 238, 237

125, 177, 237

255, 242, 237

101, 164, 237

255, 248, 237

78, 152, 237

248, 255, 237

54, 139, 237

242, 255, 237

30, 126, 237

238, 255, 237

6, 113, 237

237, 255, 237

0, 110, 237

Harmonies

Analogous

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



198, 217, 232



196, 215, 237



202, 219, 245

Triad

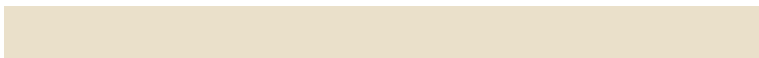
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



196, 215, 237



241, 219, 236



217, 234, 202

Complementary

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



196, 215, 237



237, 203, 196

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.



244, 232, 205



196, 215, 237



249, 217, 224

Square

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



196, 215, 237



229, 222, 245



250, 219, 213



205, 228, 213

Rectangle

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



196, 215, 237



209, 221, 248



250, 219, 213



228, 238, 202

Sweetspot

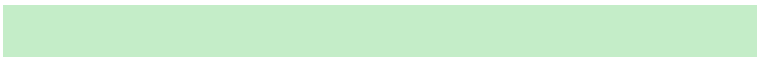
The Sweet Spot groups the original color and five complimentary colors.



196, 215, 237



242, 248, 255



196, 233, 237



120, 123, 128



0, 0, 0



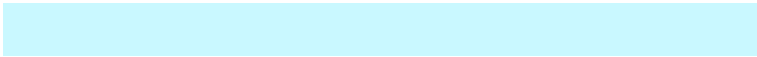
128, 128, 128

Same Dimension

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



196, 215, 237



201, 226, 255



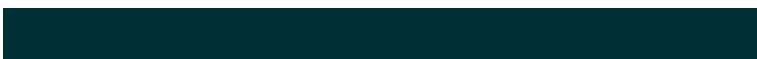
196, 207, 237



106, 111, 117



0, 84, 181



0, 25, 54

Inverse Universe

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



237, 196, 231



255, 201, 248



220, 237, 196



117, 106, 116



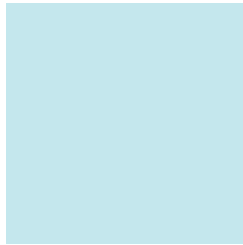
181, 0, 156



54, 0, 46

Previews

White Background



This preview shows how the RYB color 196, 215, 237 looks on a white background.

Color Contrast Check

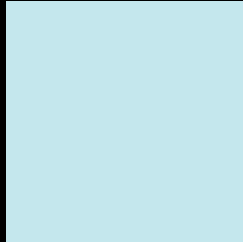
Large Text (above 18pt) WCAG AA × Fail

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 196, 215, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

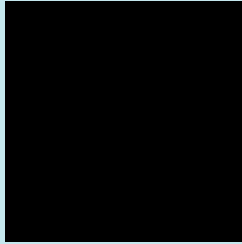
Any Text WCAG AA ✓ Pass

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 196, 215, 237 Background



This preview shows how black text looks on a background with the RYB color 196, 215, 237.



This preview shows how white text looks on a background with the RYB color 196, 215, 237.

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](#).

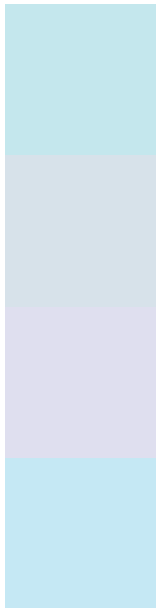
Dichromacy





Tritanopia
198, 218, 248

Trichromacy



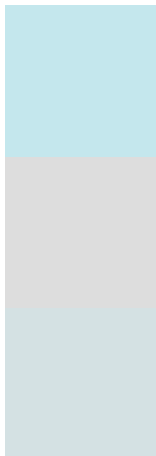
Original Color
196, 215, 237

Protanomaly
215, 222, 234

Deuteranomaly
223, 223, 239

Tritanomaly
197, 217, 244

Monochromacy



Original Color
196, 215, 237

Achromatopsia
221, 221, 221

Achromatomaly
212, 219, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 215, 237 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(196, 231, 237)` looks like.

```
.text, #text, p{  
    color:rgb(196, 231, 237)  
}
```

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(196, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 231, 237) }
```

Border

The CSS property to change the border of an element to RYB 196, 215, 237 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(196, 231, 237) }
```

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

```
.border{ border-color:rgb(196, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(196, 231,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 196, 215, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 231, 237) }
```

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

```
.background{ background-color: rgb(196,  
231, 237) }
```

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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