

Converting Colors

`RYB(178, 216, 230)`

Have a look what the booklet for
RYB(178, 216, 230) contains.

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Color

R_YB(178, 216, 230)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6C5
RGB	178, 230, 197
RGB Percent	70%, 90%, 77%
CMY	0.3020, 0.0980, 0.2268
CMYK	0.23, 0.00, 0.14, 0.10
HSL	142°, 51%, 80%
HSV	142°, 23%, 90%
XYZ	56.7531, 70.0971, 63.4571
YIQ	210.6900, -20.3990, -21.2870

Conversions

Conversions Part 2

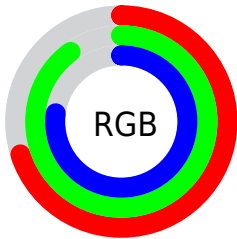
Format	Color
RYB	178, 216, 230
Decimal	11724485
CIELab	87.04, -23.12, 10.60
CIElCh	87, 25.436, 155.362
Yxy	70.0971, 0.2982, 0.3683
Android (android.graphics.Color)	4289914565 (0xFFB2E6C5)
YUV	210.6900, -6.7492, -28.6691
Hunter-Lab	83.7240, -25.5191, 13.6690

Details

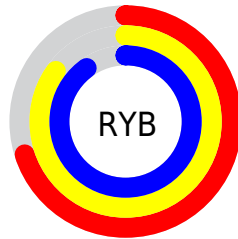
The RYB color **178, 216, 230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **230, 178, 211**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **234, 245, 255**, and **124, 160, 174** is the 20% darker color. If you saturate the color by 10%, you get **155, 210, 230**, and if you desaturate by 10%, it is **201, 222, 230**.

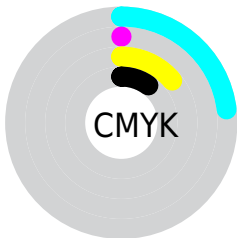
Distribution



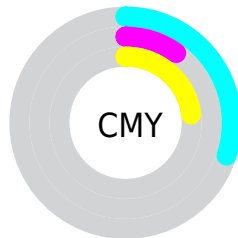
- Red (70%)
- Green (90%)
- Blue (77%)



- Red (70%)
- Yellow (85%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)



- Cyan (30%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 216, 230 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 178, 216, 230 by changing the saturation by 10% instead.

 178, 216, 230


255, 255, 255


 234, 245, 255

 178, 216, 230


 151, 188, 202

 124, 160, 174


 99, 134, 148

 74, 108, 122

 49, 83, 97

 25, 58, 73

 0, 33, 50


 0, 30, 30

 0, 0, 0

 178, 216, 230

 178, 216, 230

 155, 210, 230


 201, 222, 230

 132, 204, 230


 224, 229, 230


 109, 197, 230


 247, 230, 241

 86, 191, 230

 255, 230, 255

 63, 185, 230

 40, 179, 230

 17, 173, 230

 0, 168, 230

Harmonies

Analogous

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



178, 225, 198



178, 216, 230



157, 197, 232

Triad

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



178, 216, 230



195, 212, 255



255, 206, 191

Complementary

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



178, 216, 230



230, 178, 211

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, 201, 214



178, 216, 230



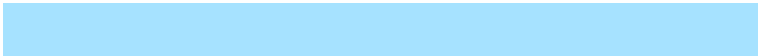
228, 210, 255

Square

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



178, 216, 230



166, 202, 255



253, 204, 239



254, 238, 175

Rectangle

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



178, 216, 230



151, 193, 238



253, 204, 239



255, 202, 198

Sweetspot

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



178, 216, 230



237, 250, 255



178, 230, 197



117, 125, 128



0, 0, 0



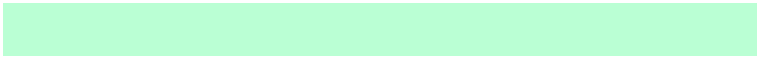
128, 128, 128

Same Dimension

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



178, 216, 230



186, 236, 255



178, 206, 230



103, 111, 115



0, 131, 179



0, 37, 51

Inverse Universe

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



230, 178, 211



255, 186, 230



230, 178, 185



115, 103, 111



179, 0, 113



51, 0, 32

Previews

White Background



This preview shows how the RYB color 178, 216, 230 looks on a white background.

Color Contrast Check

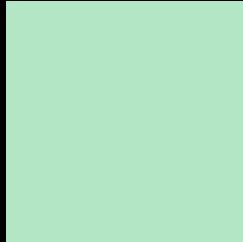
Large Text (above 18pt) WCAG AA × Fail

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 178, 216, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

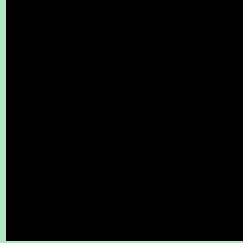
Any Text WCAG AA ✓ Pass

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 178, 216, 230 Background



This preview shows how black text looks on a background with the RYB color 178, 216, 230.



This preview shows how white text looks on a background with the RYB color 178, 216, 230.

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
186, 209, 242

Trichromacy



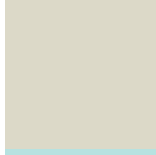
Original Color

178, 216, 230



Protanomaly

193, 222, 206



Deuteranomaly

204, 220, 200



Tritanomaly

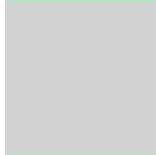
183, 205, 226

Monochromacy



Original Color

178, 216, 230



Achromatopsia

211, 211, 211



Achromatomaly

199, 213, 218

CSS Examples

Text

The CSS property to change the color of the text to RGB 178, 216, 230 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(178, 230, 197) looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 197)  
}
```

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(178, 230, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 197) }
```

Border

The CSS property to change the border of an element to RYB 178, 216, 230 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(178, 230, 197) }
```

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

```
.border{ border-color:rgb(178, 230, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 230, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 230, 197); box-shadow:4px 4px 4px 4px rgb(178, 230, 197) }
```

Background

The CSS property to change the background color of an element to RYB 178, 216, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 197) }
```

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

```
.background{ background-color: rgb(178,  
230, 197) }
```

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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