

Converting Colors

`RYB(188, 255, 230)`

Have a look what the booklet for
RYB(188, 255, 230) contains.

RYB(188, 255, 230)	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

R_YB(188, 255, 230)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFBC
RGB	213, 255, 188
RGB Percent	84%, 100%, 74%
CMY	0.1647, 0.0000, 0.2627
CMYK	0.16, 0.00, 0.26, 0.00
HSL	98°, 100%, 87%
HSV	98°, 26%, 100%
XYZ	72.2777, 89.2970, 61.0036
YIQ	234.8040, -3.5250, -29.7410

Conversions

Conversions Part 2

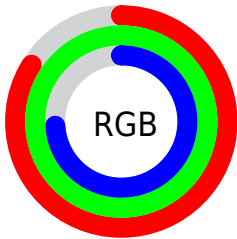
Format	Color
RYB	188, 255, 230
Decimal	14024636
CIELab	95.70, -25.11, 27.72
CIELCh	96, 37.396, 132.171
Yxy	89.2970, 0.3247, 0.4012
Android (android.graphics.Color)	4292214716 (0xFFD5FFBC)
YUV	234.8040, -23.0744, -19.1221
Hunter-Lab	94.4971, -28.8412, 27.8727

Details

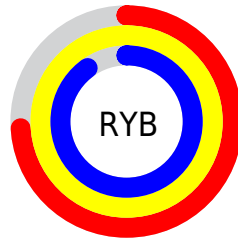
The RYB color **188, 255, 230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **230, 188, 255**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **245, 255, 245**, and **134, 198, 174** is the 20% darker color. If you saturate the color by 10%, you get **163, 255, 221**, and if you desaturate by 10%, it is **214, 255, 240**.

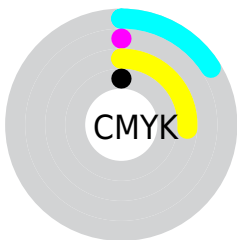
Distribution



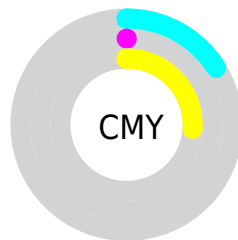
- Red (84%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 255, 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 188, 255, 230 by changing the saturation by 10% instead.


 188, 255, 230

255, 255, 255


 245, 255, 245

 188, 255, 230

 161, 226, 202


 134, 198, 174

 109, 171, 149

 84, 144, 123

 60, 118, 98

 37, 93, 75

 14, 70, 53

 0, 47, 38

 0, 28, 28

■ 188, 255, 230

■ 188, 255, 230

■ 163, 255, 221

■ 214, 255, 240

■ 137, 255, 211

■ 239, 255, 249

■ 112, 255, 202

255, 255, 255

■ 86, 255, 192

■ 61, 255, 183

■ 35, 255, 173

■ 10, 255, 164

■ 0, 255, 160

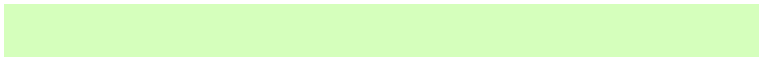
Harmonies

Analogous

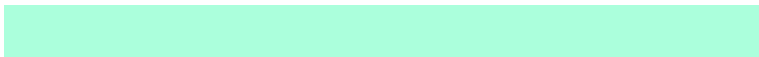
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



181, 254, 171



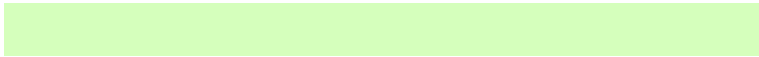
188, 255, 230



171, 224, 255

Triad

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



188, 255, 230



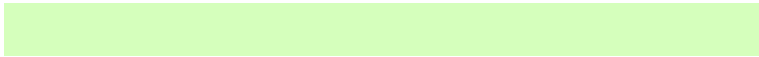
166, 210, 255



255, 216, 229

Complementary

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



188, 255, 230



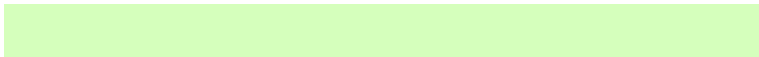
230, 188, 255

Split Complementary

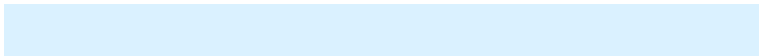
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 218, 255



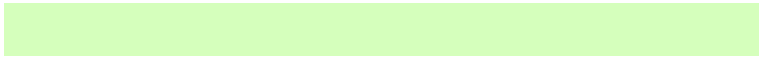
188, 255, 230



218, 232, 255

Square

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



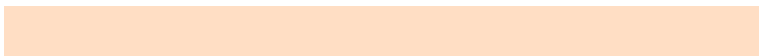
188, 255, 230



132, 194, 255



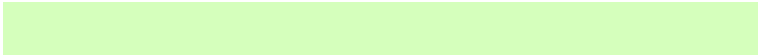
255, 228, 255



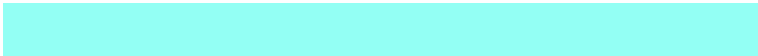
255, 242, 196

Rectangle

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



188, 255, 230



147, 204, 255



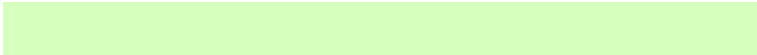
255, 228, 255



255, 216, 241

Sweetspot

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



188, 255, 230



235, 255, 248



230, 255, 188



115, 128, 123



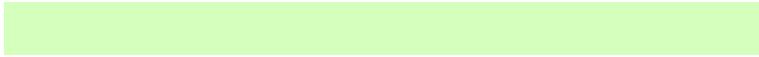
0, 0, 0



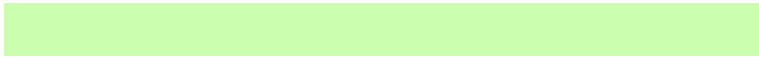
128, 128, 128

Same Dimension

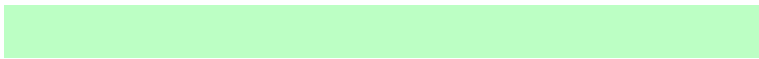
The Same Dimension uses a secret algorithm to generate beautiful new colors.



188, 255, 230



173, 255, 224



188, 248, 255



115, 128, 123



0, 191, 120



0, 64, 40

Inverse Universe

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



230, 188, 255



225, 173, 255



255, 188, 247



123, 115, 128



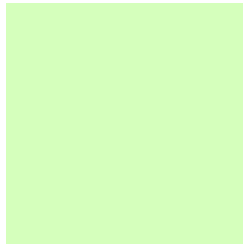
120, 0, 191



40, 0, 64

Previews

White Background



This preview shows how the RYB color 188, 255, 230 looks on a white background.

Color Contrast Check

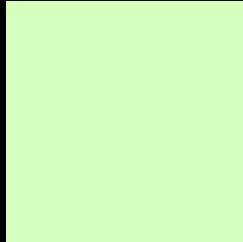
Large Text (above 18pt) WCAG AA × Fail

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 188, 255, 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

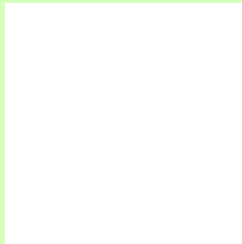
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 188, 255, 230 Background



This preview shows how black text looks on a background with the RYB color 188, 255, 230.

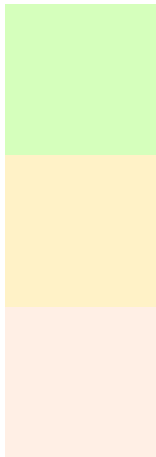


This preview shows how white text looks on a background with the RYB color 188, 255, 230.

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



Original Color
188, 255, 230

Protanopia
216, 255, 199

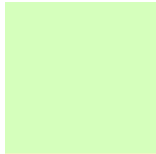
Deuteranopia
255, 245, 229



Tritanopia

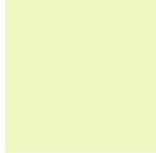
233, 240, 255

Trichromacy



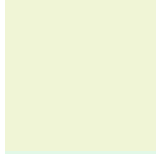
Original Color

188, 255, 230



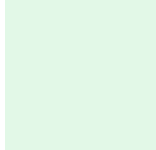
Protanomaly

195, 247, 202



Deuteranomaly

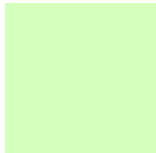
214, 245, 219



Tritanomaly

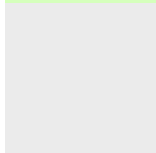
226, 244, 248

Monochromacy



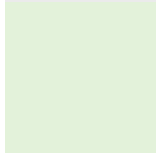
Original Color

188, 255, 230



Achromatopsia

235, 235, 235



Achromatomaly

218, 242, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 255, 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(213, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 188)  
}
```

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(213, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 188) }
```

Border

The CSS property to change the border of an element to RYB 188, 255, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

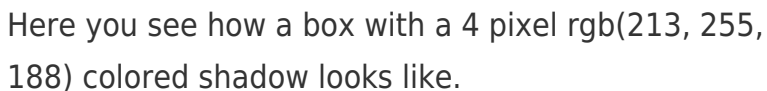
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 255, 188) }
```

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

```
.border{ border-color:rgb(213, 255, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 188); box-shadow:4px 4px 4px 4px rgb(213, 255, 188) }
```

Background

The CSS property to change the background color of an element to RYB 188, 255, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 188) }
```

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

```
.background{ background-color: rgb(213,  
255, 188) }
```

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