

Converting Colors

`RYB(209, 252, 240)`

Have a look what the booklet for
RYB(209, 252, 240) contains.

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Color

RYB(209, 252, 240)

Conversions

Conversions Part 1

Format	Color
Hex	DDFCD1
RGB	221, 252, 209
RGB Percent	87%, 99%, 82%
CMY	0.1333, 0.0118, 0.1804
CMYK	0.12, 0.00, 0.17, 0.01
HSL	103°, 88%, 90%
HSV	103°, 17%, 99%
XYZ	76.1378, 89.5964, 73.6025
YIQ	237.8290, -4.6730, -19.9450

Conversions

Conversions Part 2

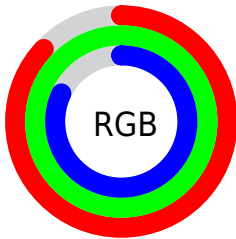
Format	Color
RYB	209, 252, 240
Decimal	14548177
CIELab	95.83, -17.66, 17.28
CIELCh	96, 24.709, 135.617
Yxy	89.5964, 0.3181, 0.3744
Android (android.graphics.Color)	4292738257 (0xFFDDFCD1)
YUV	237.8290, -14.2127, -14.7590
Hunter-Lab	94.6554, -22.0671, 20.1558

Details

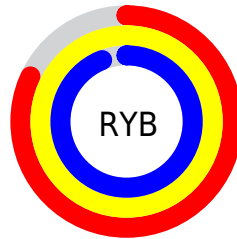
The RYB color **209, 252, 240** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **240, 209, 252**, and the grayscale version is **238, 238, 238**.

A 20% lighter version of the original color is **255, 255, 255**, and **154, 195, 183** is the 20% darker color. If you saturate the color by 10%, you get **184, 252, 233**, and if you desaturate by 10%, it is **234, 252, 247**.

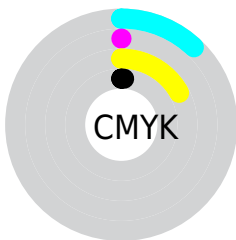
Distribution



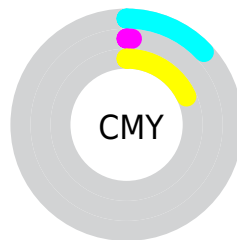
- Red (87%)
- Green (99%)
- Blue (82%)



- Red (82%)
- Yellow (99%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (1%)



- Cyan (13%)
- Magenta (1%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 209, 252, 240 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 209, 252, 240 by changing the saturation by 10% instead.

209, 252, 240

255, 255, 255

209, 252, 240

181, 223, 211

154, 195, 183

128, 168, 157

103, 142, 132

79, 116, 107

56, 91, 82

34, 68, 60

13, 45, 38

0, 26, 26

 209, 252, 240

 209, 252, 240

 184, 252, 233

 234, 252, 247

 159, 252, 226

 255, 252, 255

 133, 252, 219

 108, 252, 212

 83, 252, 205

 58, 252, 198

 33, 252, 191

 7, 252, 183

 0, 252, 182

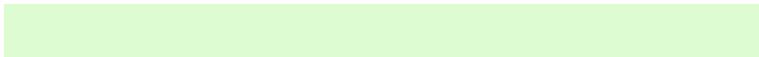
Harmonies

Analogous

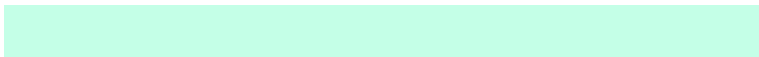
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



200, 248, 197



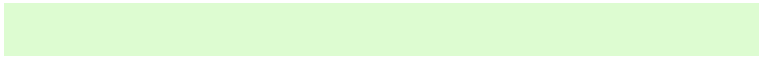
209, 252, 240



196, 233, 255

Triad

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



209, 252, 240



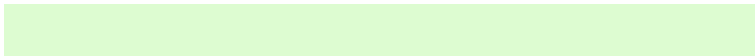
201, 226, 255



255, 226, 231

Complementary

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



209, 252, 240



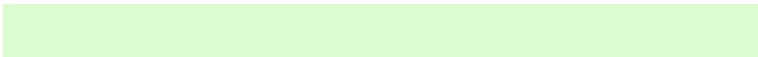
240, 209, 252

Split Complementary

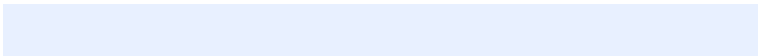
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 227, 255



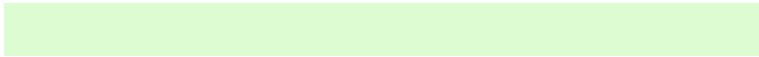
209, 252, 240



232, 238, 255

Square

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



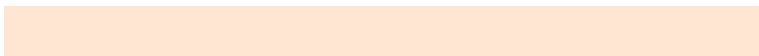
209, 252, 240



181, 218, 255



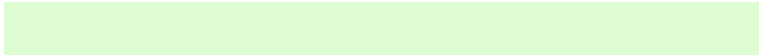
255, 233, 255



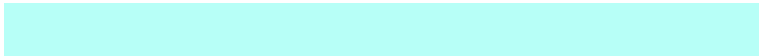
255, 246, 210

Rectangle

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



209, 252, 240



183, 221, 255



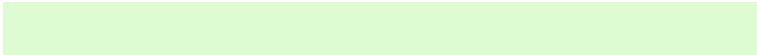
255, 233, 255



255, 226, 239

Sweetspot

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



209, 252, 240



242, 255, 251



226, 252, 209



120, 128, 126



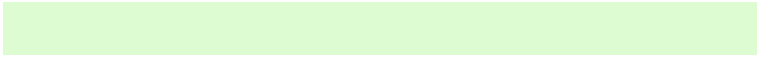
0, 0, 0



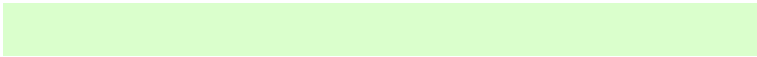
128, 128, 128

Same Dimension

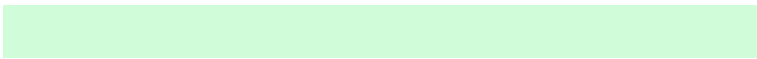
The Same Dimension uses a secret algorithm to generate beautiful new colors.



209, 252, 240



204, 255, 241



209, 245, 252



112, 125, 121



0, 189, 136



0, 61, 44

Inverse Universe

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



240, 209, 252



241, 204, 255



252, 209, 243



121, 112, 125



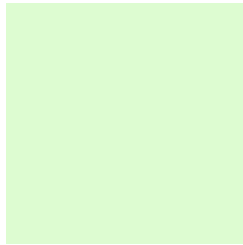
136, 0, 189



44, 0, 61

Previews

White Background



This preview shows how the RYB color 209, 252, 240 looks on a white background.

Color Contrast Check

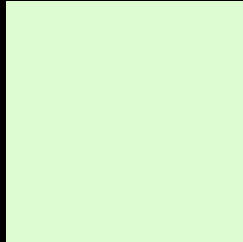
Large Text (above 18pt) WCAG AA × Fail

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 209, 252, 240 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

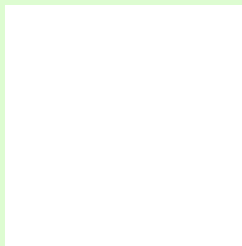
Any Text WCAG AAA ✓ Pass

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

RYB 209, 252, 240 Background



This preview shows how black text looks on a background with the RYB color 209, 252, 240.

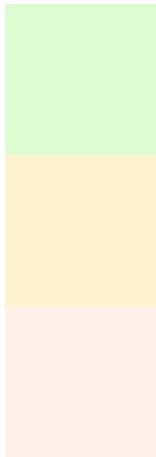


This preview shows how white text looks on a background with the RYB color 209, 252, 240.

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
209, 252, 240

Protanopia
224, 255, 206

Deuteranopia
255, 243, 233



Tritanopia

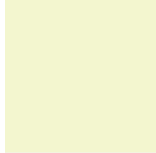
235, 241, 255

Trichromacy



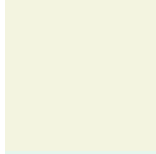
Original Color

209, 252, 240



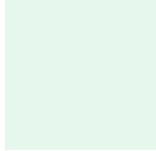
Protanomaly

207, 246, 210



Deuteranomaly

224, 244, 225



Tritanomaly

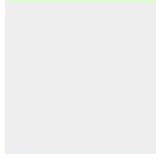
230, 242, 247

Monochromacy



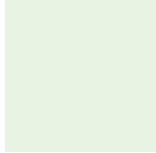
Original Color

209, 252, 240



Achromatopsia

238, 238, 238



Achromatomaly

227, 243, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 252, 240 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(221, 252, 209)` looks like.

```
.text, #text, p{  
    color:rgb(221, 252, 209)  
}
```

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(221, 252, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 252, 209) }
```

Border

The CSS property to change the border of an element to RYB 209, 252, 240 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(221, 252, 209) }
```

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

```
.border{ border-color:rgb(221, 252, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 252, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 252, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 252, 209);  
box-shadow:4px 4px 4px 4px rgb(221, 252,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 209, 252, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 252, 209) }
```

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

```
.background{ background-color: rgb(221,  
252, 209) }
```

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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