

# Converting Colors

`RYB(194, 240, 230)`

Have a look what the booklet for  
RYB(194, 240, 230) contains.

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# Color

**R<sub>Y</sub>B(194, 240, 230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCF0C2
RGB	204, 240, 194
RGB Percent	80%, 94%, 76%
CMY	0.2000, 0.0588, 0.2392
CMYK	0.15, 0.00, 0.19, 0.06
HSL	107°, 61%, 85%
HSV	107°, 19%, 94%
XYZ	65.7995, 79.0526, 62.8296
YIQ	223.9920, -6.6900, -21.9380

# Conversions

## Conversions Part 2

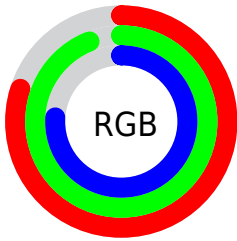
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 240, 230
Decimal	13430978
CIELab	91.26, -20.00, 18.42
CIELCh	91, 27.194, 137.360
Yxy	79.0526, 0.3168, 0.3806
Android (android.graphics.Color)	4291621058 (0xFFCCCF0C2)
YUV	223.9920, -14.7861, -17.5330
Hunter-Lab	88.9115, -23.4951, 20.3406

# Details

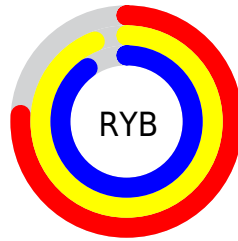
The RYB color **194, 240, 230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **230, 194, 240**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **251, 255, 251**, and **140, 184, 175** is the 20% darker color. If you saturate the color by 10%, you get **170, 240, 225**, and if you desaturate by 10%, it is **218, 240, 235**.

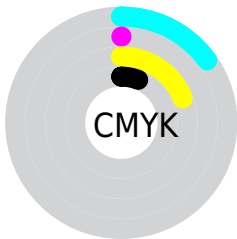
# Distribution



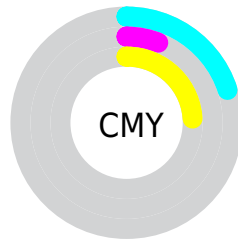
- Red (80%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (90%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 194, 240, 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 194, 240, 230 by changing the saturation by 10% instead.




 194, 240, 230

255, 255, 255


 251, 255, 251

 194, 240, 230

 167, 212, 203

 140, 184, 175

 115, 157, 149

 90, 131, 123

 66, 105, 98

 44, 81, 75

 22, 58, 53

 0, 36, 29

 0, 9, 9

 194, 240, 230

 194, 240, 230

 170, 240, 225

 218, 240, 235

 146, 240, 220

 242, 240, 242

 122, 240, 214

 255, 240, 255

 98, 240, 209

 74, 240, 204

 50, 240, 199

 26, 240, 193

 2, 240, 188

 0, 240, 188

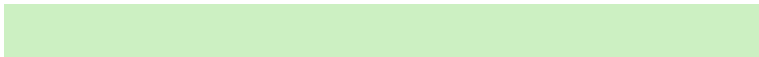
# Harmonies

## Analogous

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



181, 234, 180



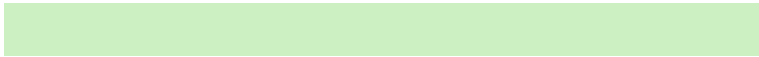
194, 240, 230



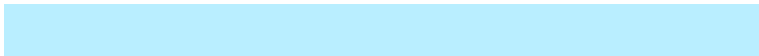
176, 218, 244

# Triad

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



194, 240, 230



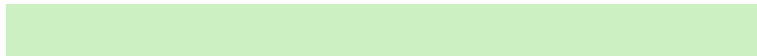
185, 215, 255



255, 212, 216

# Complementary

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



194, 240, 230



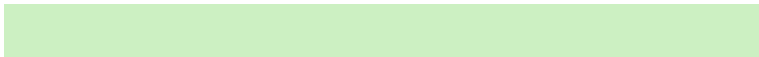
230, 194, 240

# 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, 212, 242



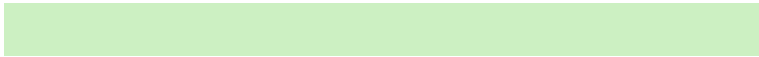
194, 240, 230



220, 226, 255

# Square

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



194, 240, 230



161, 205, 255



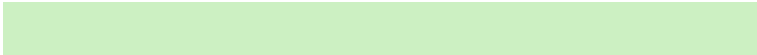
253, 218, 255



255, 230, 193

# Rectangle

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



194, 240, 230



163, 206, 245



253, 218, 255

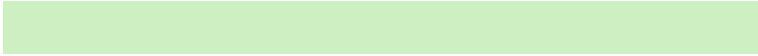


255, 211, 224



# Sweetspot

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



194, 240, 230



240, 255, 252



208, 240, 194



119, 128, 126



0, 0, 0



128, 128, 128

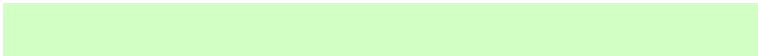


# Same Dimension

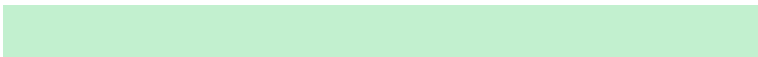
The Same Dimension uses a secret algorithm to generate beautiful new colors.



194, 240, 230



196, 255, 242



194, 230, 240



108, 120, 118



0, 184, 144



0, 56, 44



# Inverse Universe

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



230, 194, 240



242, 196, 255



240, 194, 228



117, 108, 120



144, 0, 184

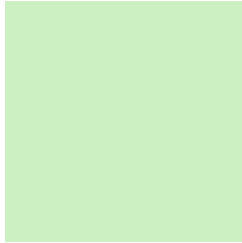


44, 0, 56



# Previews

## White Background



This preview shows how the RYB color 194, 240, 230 looks on a white background.

## Color Contrast Check

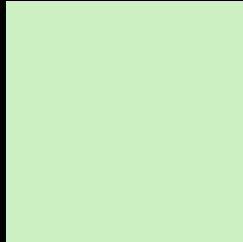
Large Text (above 18pt) WCAG AA × Fail

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 194, 240, 230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

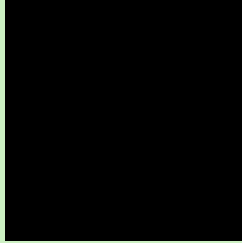
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

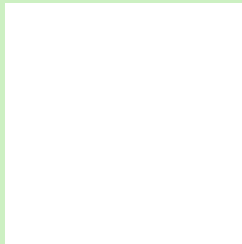
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 194, 240, 230 Background**



This preview shows how black text looks on a background with the RYB color 194, 240, 230.



This preview shows how white text looks on a background with the RYB color 194, 240, 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**  
213, 226, 251

# Trichromacy



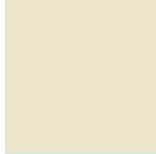
**Original Color**

194, 240, 230



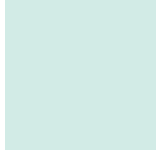
**Protanomaly**

191, 233, 195



**Deuteranomaly**

211, 236, 202



**Tritanomaly**

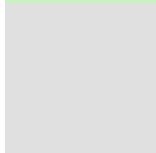
210, 224, 235

# Monochromacy



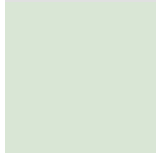
**Original Color**

194, 240, 230



**Achromatopsia**

224, 224, 224



**Achromatomaly**

213, 230, 226

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 194, 240, 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(204, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(204, 240, 194)  
}
```

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(204, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 194) }
```

## Border

The CSS property to change the border of an element to RYB 194, 240, 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(204, 240, 194) }
```

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

```
.border{ border-color:rgb(204, 240, 194) }
```

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

Here you see how a box with a 4 pixel rgb(204, 240, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(204, 240,  
194) }
```

# Background

The CSS property to change the background color of an element to RYB 194, 240, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 240, 194) }
```

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

```
.background{ background-color: rgb(204,  
240, 194) }
```

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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