

# Converting Colors

`RYB(204, 221, 228)`

Have a look what the booklet for  
RYB(204, 221, 228) contains.

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# Color

**R<sub>Y</sub>B(204, 221, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE4D6
RGB	204, 228, 214
RGB Percent	80%, 89%, 84%
CMY	0.2000, 0.1059, 0.1612
CMYK	0.11, 0.00, 0.06, 0.11
HSL	145°, 31%, 85%
HSV	145°, 11%, 89%
XYZ	64.7678, 73.1732, 74.2498
YIQ	219.2280, -9.8100, -9.4420

# Conversions

## Conversions Part 2

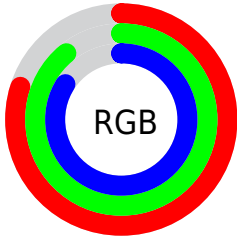
Format	Color
<a href="#">RYB</a>	<a href="#">204, 221, 228</a>
Decimal	<a href="#">13427926</a>
CIELab	<a href="#">88.53, -10.57, 4.19</a>
CIELCh	<a href="#">89, 11.369, 158.397</a>
Yxy	<a href="#">73.1732, 0.3052, 0.3448</a>
Android (android.graphics.Color)	<a href="#">4291618006</a> ( <a href="#">0xFFCCE4D6</a> )
YUV	<a href="#">219.2280, -2.5774, -13.3550</a>
Hunter-Lab	<a href="#">85.5413, -14.5457, 8.4153</a>

# Details

The RYB color **204, 221, 228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **228, 204, 218**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is 255, 255, 255, and **150, 167, 173** is the 20% darker color. If you saturate the color by 10%, you get **181, 214, 228**, and if you desaturate by 10%, it is **227, 228, 228**.

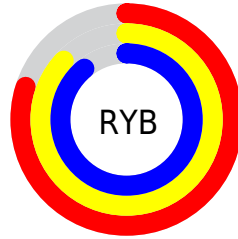
# Distribution



Red (80%)

Green (89%)

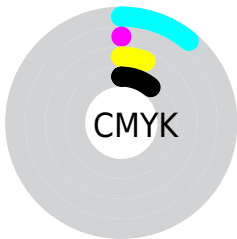
Blue (84%)



Red (80%)

Yellow (87%)

Blue (89%)

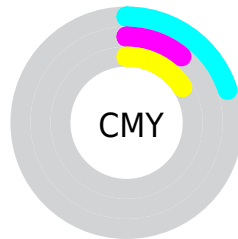


Cyan (11%)

Magenta (0%)

Yellow (6%)

Black (11%)



Cyan (20%)

Magenta (11%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 204, 221, 228 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 204, 221, 228 by changing the saturation by 10% instead.



■ 204, 221, 228

255, 255, 255

■ 204, 221, 228

■ 176, 193, 200

■ 150, 167, 173

■ 124, 140, 146

■ 99, 114, 120

■ 75, 89, 95

■ 52, 66, 72

■ 30, 43, 49

■ 8, 21, 28

■ 0, 0, 0

 204, 221, 228

 204, 221, 228

 181, 214, 228


 227, 228, 228

 158, 207, 228


 250, 228, 241


 136, 201, 228


 255, 228, 254


 113, 195, 228


 255, 228, 255

 90, 188, 228

 67, 181, 228

 44, 174, 228

 22, 168, 228

 0, 161, 228

# Harmonies

## Analogous

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



205, 226, 215



204, 221, 228



197, 214, 229

# Triad

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



204, 221, 228



215, 221, 243



245, 218, 209

# Complementary

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



204, 221, 228



228, 204, 218

# 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.



245, 215, 219



204, 221, 228



228, 219, 239

# Square

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



204, 221, 228



203, 217, 242



239, 216, 230



239, 233, 202

# Rectangle

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



204, 221, 228



195, 212, 232



239, 216, 230



246, 215, 212



# Sweetspot

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



204, 221, 228



247, 252, 255



204, 228, 214



122, 126, 128



0, 0, 0



128, 128, 128

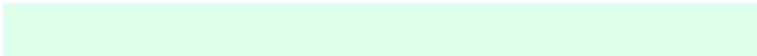


# Same Dimension

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



204, 221, 228



222, 246, 255



204, 217, 228



103, 111, 115



0, 127, 179



0, 36, 51



# Inverse Universe

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



228, 204, 218



255, 222, 241



228, 204, 206



115, 103, 110



179, 0, 105

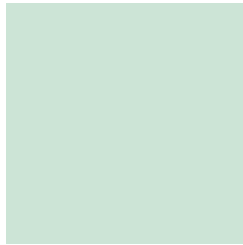


51, 0, 30



# Previews

## White Background



This preview shows how the RYB color 204, 221, 228 looks on a white background.

## Color Contrast Check

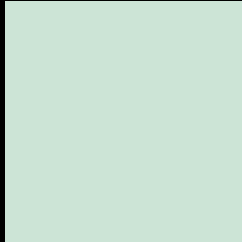
Large Text (above 18pt) WCAG AA × Fail

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 204, 221, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

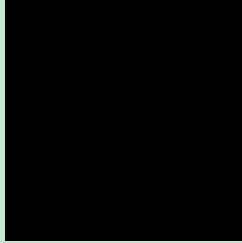
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

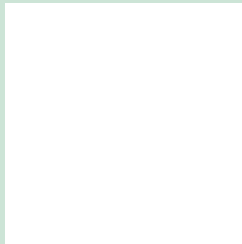
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R/Y/B 204, 221, 228 Background



This preview shows how black text looks on a background with the R/Y/B color 204, 221, 228.



This preview shows how white text looks on a background with the R/Y/B color 204, 221, 228.

# 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**  
209, 219, 242

# Trichromacy



**Original Color**

204, 221, 228

**Protanomaly**

211, 224, 215

**Deuteranomaly**

230, 222, 216

**Tritanomaly**

207, 217, 232

# Monochromacy



**Original Color**

204, 221, 228

**Achromatopsia**

219, 219, 219

**Achromatomaly**

214, 220, 222

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 204, 221, 228 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, 228, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 228, 214)  
}
```

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, 228, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 228, 214) }
```

## Border

The CSS property to change the border of an element to RYB 204, 221, 228 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, 228, 214) }
```

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

```
.border{ border-color:rgb(204, 228, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 228, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 228, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 228, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 228,  
214) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 228, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 228, 214) }
```

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

```
.background{ background-color: rgb(204,  
228, 214) }
```

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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