

Converting Colors

`RYB(200, 220, 240)`

Have a look what the booklet for RYB(200, 220, 240) contains.

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Color

R_YB(200, 220, 240)

Conversions

Conversions Part 1

Format	Color
Hex	C8F0F0
RGB	200, 240, 240
RGB Percent	78%, 94%, 94%
CMY	0.2157, 0.0588, 0.0588
CMYK	0.17, 0.00, 0.00, 0.06
HSL	180°, 57%, 86%
HSV	180°, 17%, 94%
XYZ	70.7077, 80.8908, 94.3249
YIQ	228.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

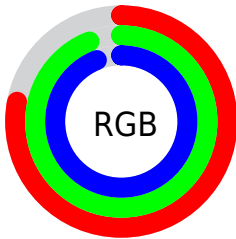
Format	Color
R_{YB}	200, 220, 240
Decimal	13168880
CIE _{Lab}	92.08, -12.83, -4.31
CIE _{LCh}	92, 13.529, 198.561
Yxy	80.8908, 0.2875, 0.3289
Android (android.graphics.Color)	4291358960 (0xFFC8F0F0)
YUV	228.0400, 5.8963, -24.5911
Hunter-Lab	89.9393, -17.0623, 0.7765

Details

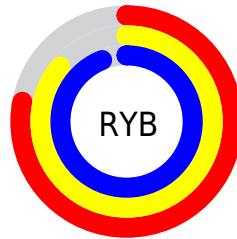
The RYB color **200, 220, 240** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **240, 200, 200**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is 255, 255, 255, and **145, 165, 184** is the 20% darker color. If you saturate the color by 10%, you get **176, 208, 240**, and if you desaturate by 10%, it is **224, 232, 240**.

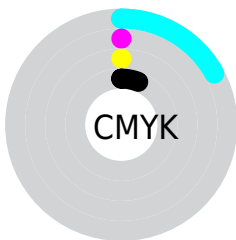
Distribution



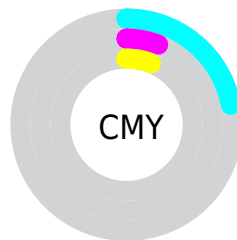
- Red (78%)
- Green (94%)
- Blue (94%)



- Red (78%)
- Yellow (86%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 220, 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 200, 220, 240 by changing the saturation by 10% instead.

■ 200, 220, 240

255, 255, 255

■ 200, 220, 240

■ 172, 192, 212

■ 145, 165, 184

■ 119, 138, 157

■ 94, 113, 131

■ 69, 88, 106

■ 45, 63, 82

■ 21, 40, 59

■ 0, 19, 37


■ 0, 7, 16

 200, 220, 240

 200, 220, 240

 176, 208, 240

 224, 232, 240

 152, 196, 240


 248, 240, 240


 128, 184, 240

 255, 240, 240

 104, 172, 240

 80, 160, 240

 56, 148, 240

 32, 136, 240

 8, 124, 240

 0, 120, 240

Harmonies

Analogous

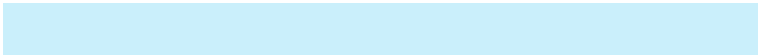
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



207, 228, 240



200, 220, 240



202, 223, 251

Triad

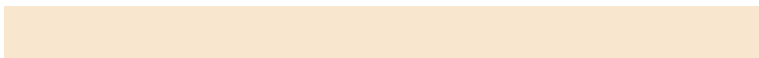
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



200, 220, 240



244, 227, 250



239, 248, 207

Complementary

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



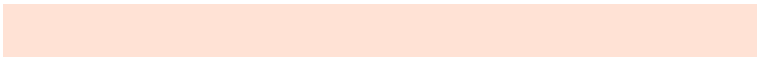
200, 220, 240



240, 200, 200

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, 232, 213



200, 220, 240



255, 224, 238

Square

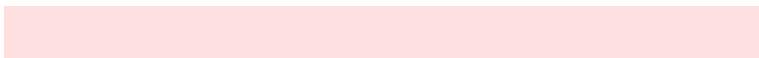
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



200, 220, 240



229, 231, 255



255, 224, 225



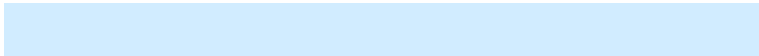
208, 234, 208

Rectangle

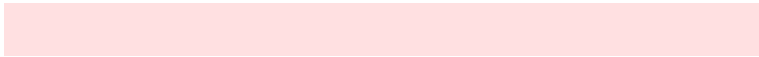
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



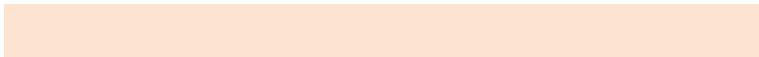
200, 220, 240



209, 226, 255



255, 224, 225



252, 245, 208

Sweetspot

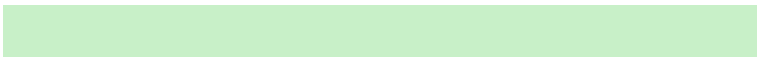
The Sweet Spot groups the original color and five complimentary colors.



200, 220, 240



242, 249, 255



200, 240, 240



120, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



200, 220, 240



204, 230, 255



200, 213, 240



108, 114, 120



0, 92, 184



0, 28, 56

Inverse Universe

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



240, 200, 240



255, 204, 255



240, 240, 200



120, 108, 120



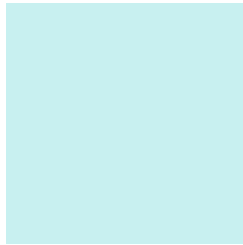
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 200, 220, 240 looks on a white background.

Color Contrast Check

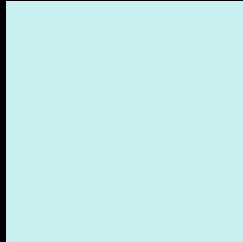
Large Text (above 18pt) WCAG AA × Fail

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 200, 220, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

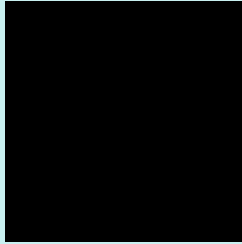
Any Text WCAG AA ✓ Pass

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](#).

R Y B 200, 220, 240 Background



This preview shows how black text looks on a background with the R Y B color 200, 220, 240.

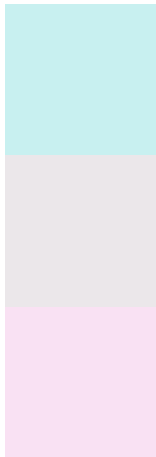


This preview shows how white text looks on a background with the R Y B color 200, 220, 240.

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
200, 220, 240

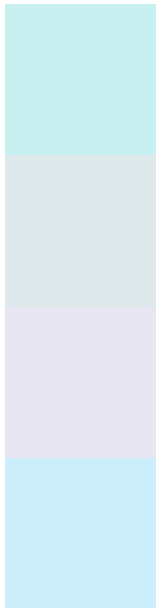
Protanopia
235, 231, 234

Deuteranopia
249, 225, 243



Tritanopia
205, 225, 255

Trichromacy



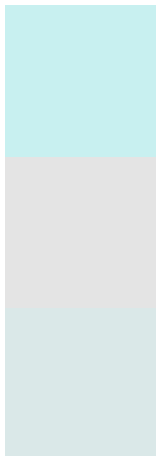
Original Color
200, 220, 240

Protanomaly
222, 228, 236

Deuteranomaly
231, 230, 242

Tritanomaly
203, 223, 250

Monochromacy



Original Color
200, 220, 240

Achromatopsia
228, 228, 228

Achromatomaly
218, 225, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 220, 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(200, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 240, 240)  
}
```

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(200, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 240, 240) }
```

Border

The CSS property to change the border of an element to RYB 200, 220, 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(200, 240, 240) }
```

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

```
.border{ border-color:rgb(200, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 240,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 200, 220, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 240, 240) }
```

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

```
.background{ background-color: rgb(200,  
240, 240) }
```

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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