

Converting Colors

`RYB(220, 238, 237)`

Have a look what the booklet for RYB(220, 238, 237) contains.

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Color

R_YB(220, 238, 237)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEDC
RGB	221, 238, 220
RGB Percent	87%, 93%, 86%
CMY	0.1333, 0.0667, 0.1373
CMYK	0.07, 0.00, 0.08, 0.07
HSL	117°, 35%, 90%
HSV	117°, 8%, 93%
XYZ	73.3116, 81.6885, 79.6137
YIQ	230.8650, -4.3540, -9.2020

Conversions

Conversions Part 2

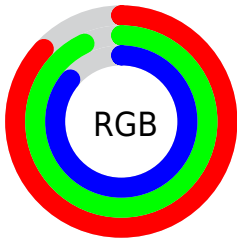
Format	Color
R_YB	220, 238, 237
Decimal	14544604
CIE Lab	92.44, -8.86, 6.78
CIE LCh	92, 11.155, 142.563
Yxy	81.6885, 0.3125, 0.3482
Android (android.graphics.Color)	4292734684 (0xFFDDEEDC)
YUV	230.8650, -5.3564, -8.6516
Hunter-Lab	90.3817, -13.3807, 11.0410

Details

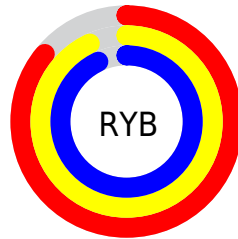
The RYB color **220, 238, 237** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **237, 220, 238**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **165, 182, 181** is the 20% darker color. If you saturate the color by 10%, you get **196, 238, 235**, and if you desaturate by 10%, it is **243, 238, 244**.

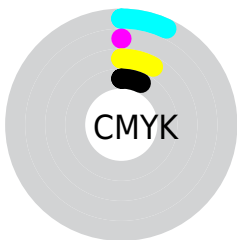
Distribution



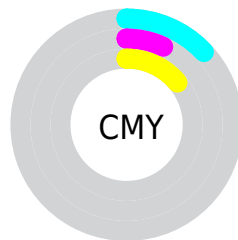
- Red (87%)
- Green (93%)
- Blue (86%)



- Red (86%)
- Yellow (93%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 238, 237 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 220, 238, 237 by changing the saturation by 10% instead.

■ 220, 238, 237

255, 255, 255

■ 220, 238, 237

■ 192, 210, 209

■ 165, 182, 181

■ 139, 155, 154

■ 113, 129, 128

■ 89, 104, 104

■ 65, 80, 79

■ 43, 57, 56

■ 23, 36, 36

■ 0, 15, 15

 220, 238, 237

 220, 238, 237

 196, 238, 235


 243, 238, 244

 172, 238, 234

 255, 238, 255

 149, 238, 233

 125, 238, 232

 101, 238, 230

 77, 238, 229

 53, 238, 227

 30, 238, 227

 6, 238, 225

Harmonies

Analogous

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



213, 235, 215



220, 238, 237



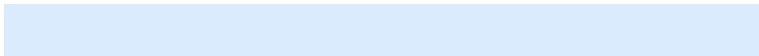
211, 229, 240

Triad

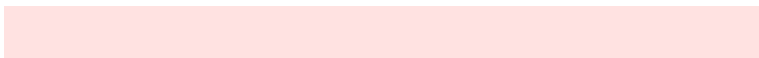
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 238, 237



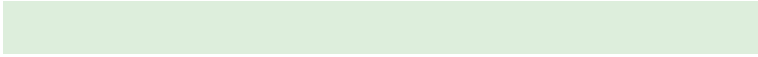
219, 230, 254



255, 226, 225

Complementary

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



220, 238, 237



237, 220, 238

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.



254, 226, 236



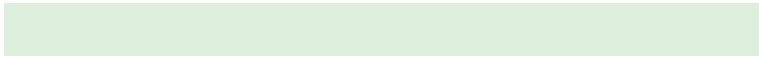
220, 238, 237



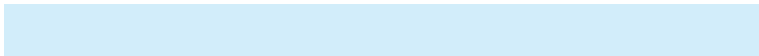
232, 231, 253

Square

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



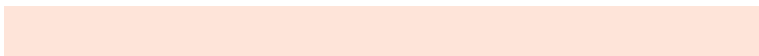
220, 238, 237



210, 226, 250



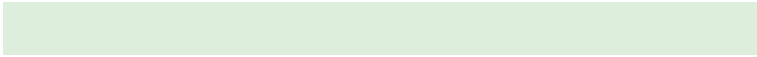
245, 228, 246



254, 233, 217

Rectangle

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



220, 238, 237



208, 225, 240



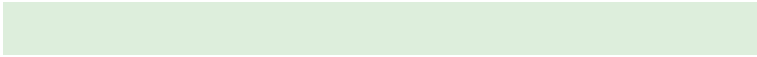
245, 228, 246



255, 226, 229

Sweetspot

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



220, 238, 237



250, 255, 255



221, 238, 220



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



220, 238, 237



232, 255, 254



220, 232, 238



108, 120, 119



0, 184, 174



0, 56, 53

Inverse Universe

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



237, 220, 238



254, 232, 255



238, 220, 230



119, 108, 120



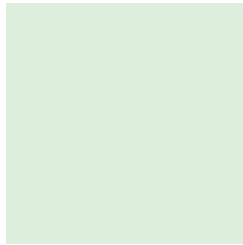
173, 0, 184



53, 0, 56

Previews

White Background



This preview shows how the RYB color 220, 238, 237 looks on a white background.

Color Contrast Check

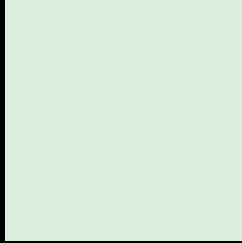
Large Text (above 18pt) WCAG AA × Fail

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 220, 238, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

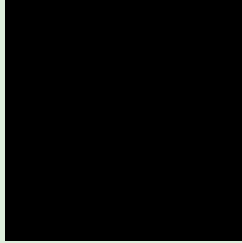
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

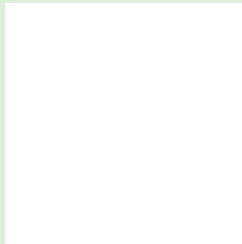
Any Text WCAG AAA ✓ Pass

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

RYB 220, 238, 237 Background



This preview shows how black text looks on a background with the RYB color 220, 238, 237.

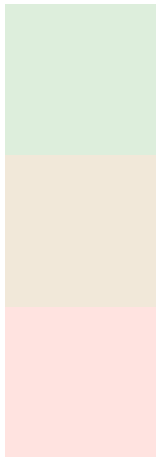


This preview shows how white text looks on a background with the RYB color 220, 238, 237.

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
[220](#), [238](#), [237](#)

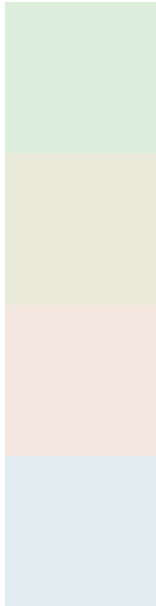
Protanopia
[231](#), [241](#), [217](#)

Deuteranopia
[255](#), [227](#), [224](#)



Tritanopia
226, 232, 252

Trichromacy



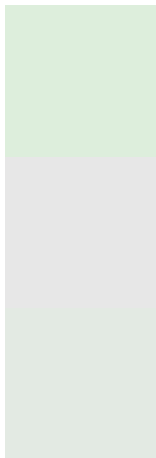
Original Color
220, 238, 237

Protanomaly
218, 234, 218

Deuteranomaly
243, 236, 223

Tritanomaly
224, 231, 240

Monochromacy



Original Color
220, 238, 237

Achromatopsia
231, 231, 231

Achromatomaly
227, 234, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 238, 237 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, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 220)  
}
```

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, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 220) }
```

Border

The CSS property to change the border of an element to RYB 220, 238, 237 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, 238, 220) }
```

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

```
.border{ border-color:rgb(221, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 220, 238, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 220) }
```

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

```
.background{ background-color: rgb(221,  
238, 220) }
```

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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