

Converting Colors

`RYB(217, 232, 241)`

Have a look what the booklet for
RYB(217, 232, 241) contains.

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Color

R_YB(217, 232, 241)

Conversions

Conversions Part 1

Format	Color
Hex	D9F1E7
RGB	217, 241, 231
RGB Percent	85%, 95%, 91%
CMY	0.1490, 0.0549, 0.0925
CMYK	0.10, 0.00, 0.04, 0.05
HSL	156°, 46%, 90%
HSV	156°, 10%, 95%
XYZ	74.5509, 83.4545, 88.0769
YIQ	232.6840, -11.0940, -8.1980

Conversions

Conversions Part 2

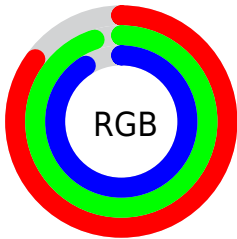
Format	Color
RYB	217, 232, 241
Decimal	14283239
CIELab	93.21, -9.63, 1.95
CIELCh	93, 9.827, 168.568
Yxy	83.4545, 0.3030, 0.3391
Android (android.graphics.Color)	4292473319 (0xFFD9F1E7)
YUV	232.6840, -0.8302, -13.7549
Hunter-Lab	91.3534, -14.1996, 6.7839

Details

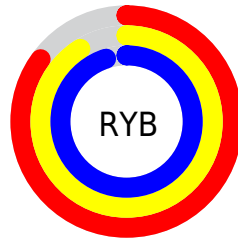
The RYB color **217, 232, 241** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **241, 217, 227**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **162, 177, 185** is the 20% darker color. If you saturate the color by 10%, you get **193, 223, 241**, and if you desaturate by 10%, it is **241, 241, 241**.

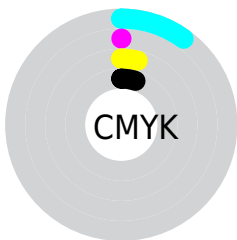
Distribution



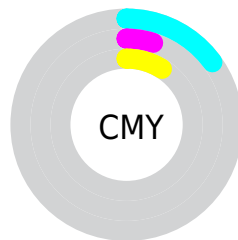
- Red (85%)
- Green (95%)
- Blue (91%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 232, 241 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 217, 232, 241 by changing the saturation by 10% instead.

■ 217, 232, 241

255, 255, 255

■ 217, 232, 241

■ 189, 204, 213

■ 162, 176, 185

■ 136, 150, 158

■ 110, 124, 132

■ 86, 99, 107

■ 62, 74, 82

■ 40, 52, 59


■ 19, 31, 38

■ 0, 12, 17

 217, 232, 241

 217, 232, 241

 193, 223, 241


 241, 241, 241


 169, 214, 241


 255, 241, 251


 145, 205, 241


 255, 241, 255

 121, 196, 241

 97, 187, 241

 72, 177, 241

 48, 169, 241

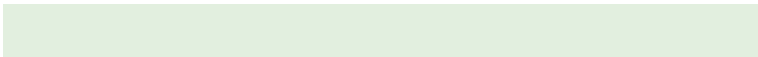
 24, 160, 241

 0, 150, 241

Harmonies

Analogous

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



223, 239, 236



217, 232, 241



213, 227, 241

Triad

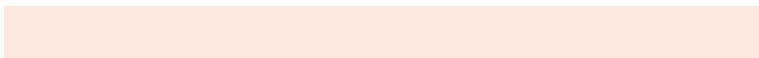
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



217, 232, 241



233, 234, 253



254, 235, 222

Complementary

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



217, 232, 241



241, 217, 227

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, 229, 230



217, 232, 241



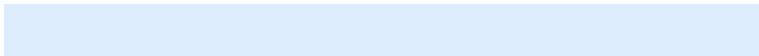
244, 231, 248

Square

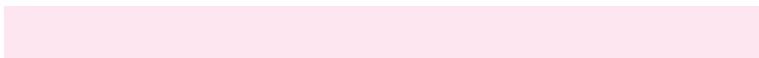
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



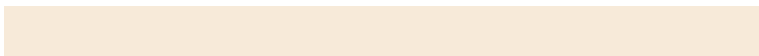
217, 232, 241



222, 232, 254



253, 230, 240



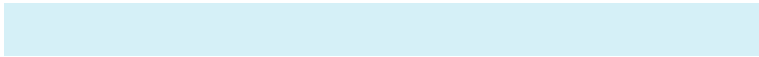
240, 247, 217

Rectangle

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



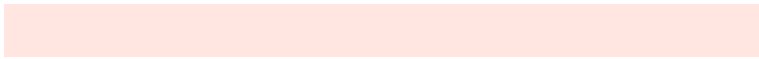
217, 232, 241



213, 228, 247



253, 230, 240



255, 231, 224

Sweetspot

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



217, 232, 241



247, 252, 255



217, 241, 231



122, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



217, 232, 241



224, 243, 255



217, 228, 241



108, 116, 120



0, 115, 184



0, 35, 56

Inverse Universe

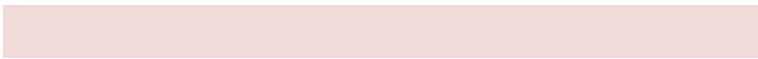
The Inverse Universe completely reimagines the original color for something new.



241, 217, 227



255, 224, 237



241, 219, 217



120, 108, 113



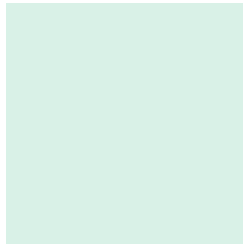
184, 0, 73



56, 0, 22

Previews

White Background



This preview shows how the RYB color 217, 232, 241 looks on a white background.

Color Contrast Check

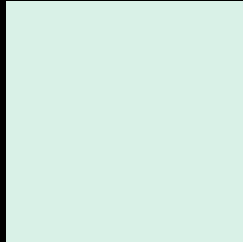
Large Text (above 18pt) WCAG AA × Fail

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 217, 232, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

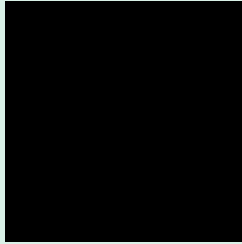
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

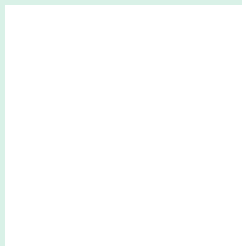
Any Text WCAG AAA ✓ Pass

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

RYB 217, 232, 241 Background



This preview shows how black text looks on a background with the RYB color 217, 232, 241.



This preview shows how white text looks on a background with the RYB color 217, 232, 241.

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

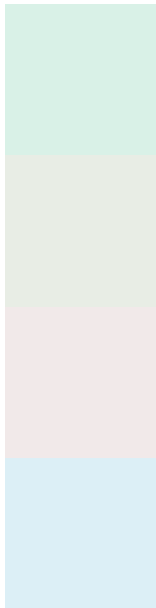




Tritanopia

222, 232, 255

Trichromacy



Original Color

217, 232, 241

Protanomaly

229, 237, 234

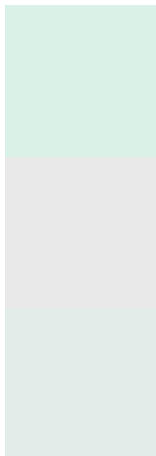
Deuteranomaly

241, 233, 233

Tritanomaly

220, 231, 246

Monochromacy



Original Color

217, 232, 241

Achromatopsia

233, 233, 233

Achromatomaly

227, 233, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 232, 241 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(217, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(217, 241, 231)  
}
```

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(217, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 241, 231) }
```

Border

The CSS property to change the border of an element to RYB 217, 232, 241 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(217, 241, 231) }
```

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

```
.border{ border-color:rgb(217, 241, 231) }
```

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

Here you see how a box with a 4 pixel rgb(217, 241, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(217, 241,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 217, 232, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 241, 231) }
```

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

```
.background{ background-color: rgb(217,  
241, 231) }
```

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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