

Converting Colors

`RYB(222, 235, 246)`

Have a look what the booklet for
RYB(222, 235, 246) contains.

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Color

R_YB(222, 235, 246)

Conversions

Conversions Part 1

Format	Color
Hex	DEF6F2
RGB	222, 246, 242
RGB Percent	87%, 96%, 95%
CMY	0.1294, 0.0353, 0.0498
CMYK	0.10, 0.00, 0.02, 0.04
HSL	171°, 57%, 92%
HSV	171°, 10%, 96%
XYZ	79.1532, 87.8704, 97.0358
YIQ	238.3680, -13.0200, -6.3320

Conversions

Conversions Part 2

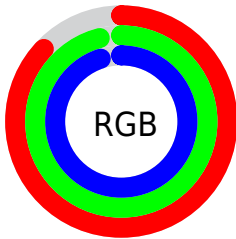
Format	Color
R _Y B	222, 235, 246
Decimal	14612210
CIE Lab	95.11, -8.49, -0.90
CIE LCh	95, 8.541, 186.071
Yxy	87.8704, 0.2998, 0.3328
Android (android.graphics.Color)	4292802290 (0xFFDEF6F2)
YUV	238.3680, 1.7906, -14.3547
Hunter-Lab	93.7392, -13.3186, 4.2424

Details

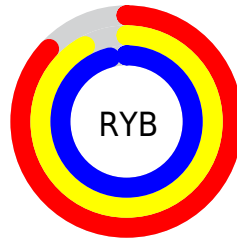
The RYB color **222, 235, 246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **246, 222, 226**, and the grayscale version is **238, 238, 238**.

A 20% lighter version of the original color is **255, 255, 255**, and **167, 180, 190** is the 20% darker color. If you saturate the color by 10%, you get **197, 223, 246**, and if you desaturate by 10%, it is **247, 246, 246**.

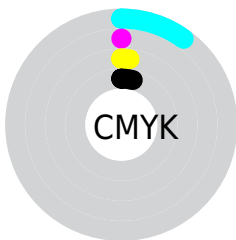
Distribution



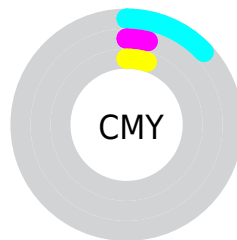
- Red (87%)
- Green (96%)
- Blue (95%)



- Red (87%)
- Yellow (92%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 235, 246 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 222, 235, 246 by changing the saturation by 10% instead.


 222, 235, 246

255, 255, 255


 222, 235, 246

 194, 207, 218

 167, 180, 190

 140, 153, 163


 115, 126, 136

 90, 101, 111

 66, 77, 87

 44, 54, 63

 22, 32, 41

 0, 11, 21

222, 235, 246

222, 235, 246

197, 223, 246

247, 246, 246

173, 212, 246

255, 246, 250

148, 201, 246

255, 246, 254

124, 190, 246

255, 246, 255

99, 179, 246

74, 167, 246

50, 156, 246

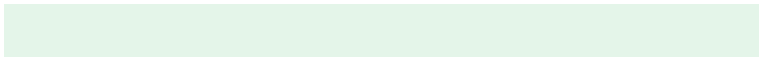
25, 145, 246

1, 134, 246

Harmonies

Analogous

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



228, 241, 245



222, 235, 246



221, 234, 250

Triad

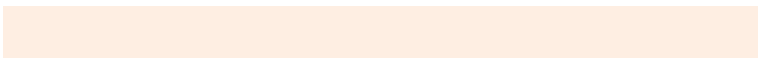
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222, 235, 246



245, 238, 254



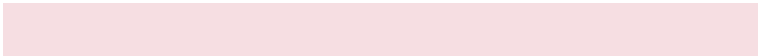
254, 247, 226

Complementary

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



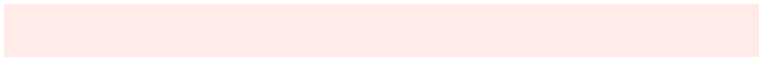
222, 235, 246



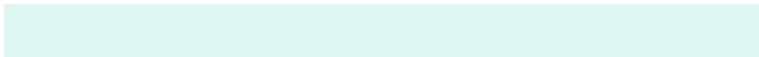
246, 222, 226

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, 237, 232



222, 235, 246



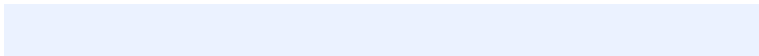
254, 236, 248

Square

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



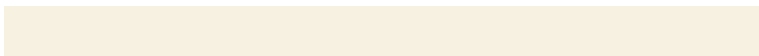
222, 235, 246



235, 240, 255



255, 235, 239



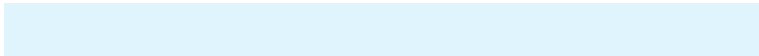
232, 246, 225

Rectangle

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



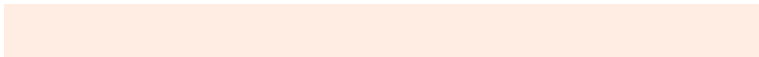
222, 235, 246



224, 236, 254



255, 235, 239



255, 243, 227

Sweetspot

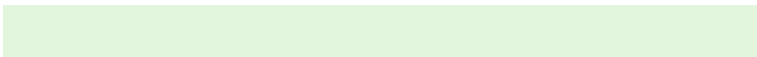
The Sweet Spot groups the original color and five complimentary colors.



222, 235, 246



247, 251, 255



222, 246, 242



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

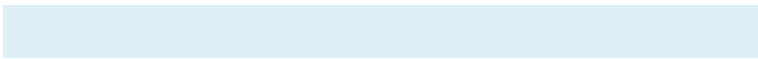
The Same Dimension uses a secret algorithm to generate beautiful new colors.



222, 235, 246



224, 241, 255



222, 232, 246



110, 116, 122



0, 101, 186



0, 32, 59

Inverse Universe

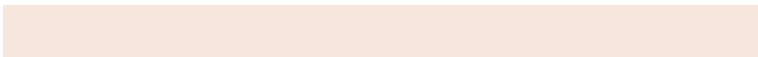
The Inverse Universe completely reimagines the original color for something new.



246, 222, 226



255, 224, 229



246, 234, 222



122, 110, 112



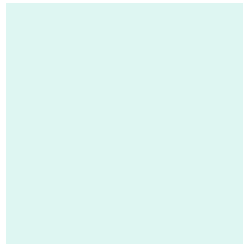
186, 0, 29



59, 0, 9

Previews

White Background



This preview shows how the RYB color 222, 235, 246 looks on a white background.

Color Contrast Check

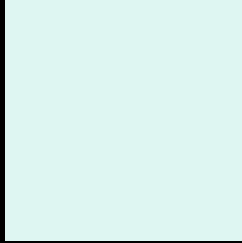
Large Text (above 18pt) WCAG AA × Fail

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 222, 235, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

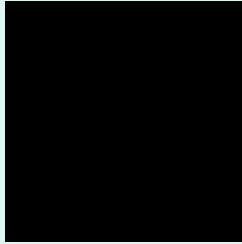
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

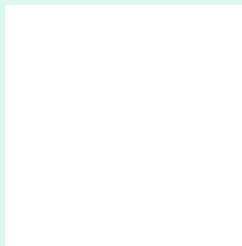
Any Text WCAG AAA ✓ Pass

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

RYB 222, 235, 246 Background



This preview shows how black text looks on a background with the RYB color 222, 235, 246.

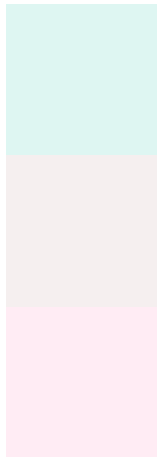


This preview shows how white text looks on a background with the RYB color 222, 235, 246.

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
222, 235, 246

Protanopia
245, 239, 239

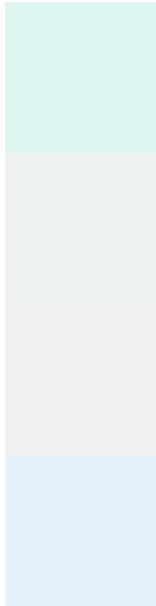
Deuteranopia
255, 236, 244



Tritanopia

231, 239, 255

Trichromacy



Original Color

222, 235, 246

Protanomaly

237, 240, 242

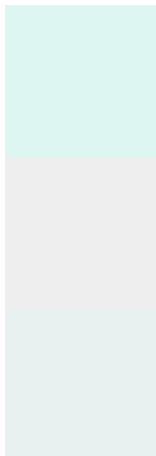
Deuteranomaly

243, 240, 243

Tritanomaly

228, 237, 250

Monochromacy



Original Color

222, 235, 246

Achromatopsia

238, 238, 238

Achromatomaly

232, 237, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 235, 246 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(222, 246, 242) looks like.

```
.text, #text, p{  
    color:rgb(222, 246, 242)  
}
```

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(222, 246, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 246, 242) }
```

Border

The CSS property to change the border of an element to RYB 222, 235, 246 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(222, 246, 242) }
```

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

```
.border{ border-color:rgb(222, 246, 242) }
```

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

Here you see how a box with a 4 pixel rgb(222, 246, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 246, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 246, 242);  
box-shadow:4px 4px 4px 4px rgb(222, 246,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 222, 235, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 246, 242) }
```

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

```
.background{ background-color: rgb(222,  
246, 242) }
```

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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