

Converting Colors

`RYB(220, 229, 242)`

Have a look what the booklet for RYB(220, 229, 242) contains.

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Color

RYB(220, 229, 242)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBF2
RGB	220, 235, 242
RGB Percent	86%, 92%, 95%
CMY	0.1373, 0.0775, 0.0510
CMYK	0.09, 0.03, 0.00, 0.05
HSL	198°, 46%, 91%
HSV	198°, 9%, 95%
XYZ	75.3167, 81.1753, 95.7032
YIQ	231.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

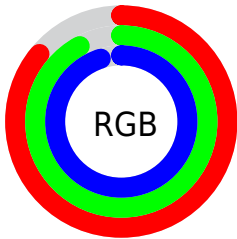
Format	Color
R _{YB}	220, 229, 242
Decimal	14478322
CIE Lab	92.21, -3.73, -5.01
CIE LCh	92, 6.250, 233.318
Yxy	81.1753, 0.2986, 0.3219
Android (android.graphics.Color)	4292668402 (0xFFDCEBF2)
YUV	231.3130, 5.2687, -9.9215
Hunter-Lab	90.0974, -8.4538, 0.0891

Details

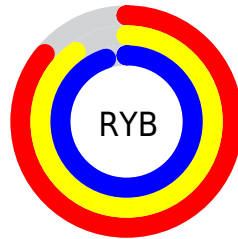
The RYB color **220, 229, 242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **242, 230, 220**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **165, 173, 186** is the 20% darker color. If you saturate the color by 10%, you get **196, 215, 242**, and if you desaturate by 10%, it is **244, 244, 242**.

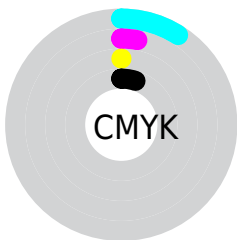
Distribution



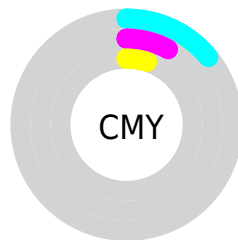
- Red (86%)
- Green (92%)
- Blue (95%)



- Red (86%)
- Yellow (90%)
- Blue (95%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (14%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 229, 242 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, 229, 242 by changing the saturation by 10% instead.

■ 220, 229, 242

255, 255, 255

■ 220, 229, 242

■ 192, 201, 214

■ 165, 174, 186

■ 139, 147, 159

■ 113, 121, 133

■ 88, 96, 108

■ 65, 73, 83

■ 42, 50, 60

■ 21, 29, 39

■ 0, 7, 18

 220, 229, 242


 220, 229, 242

 196, 215, 242


 244, 244, 242


 172, 200, 242


 250, 255, 242


 147, 186, 242


 242, 255, 242


 123, 172, 242

 99, 158, 242

 75, 143, 242

 51, 129, 242

 26, 115, 242

 2, 100, 242

Harmonies

Analogous

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



218, 227, 237



220, 229, 242



225, 231, 244

Triad

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



220, 229, 242



244, 229, 234



222, 234, 223

Complementary

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



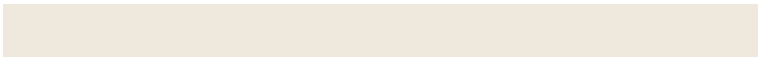
220, 229, 242



242, 230, 220

Split Complementary

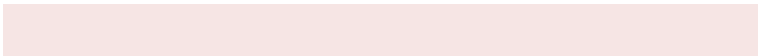
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



232, 239, 221



220, 229, 242



246, 229, 228

Square

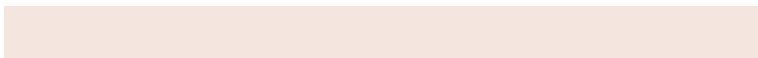
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



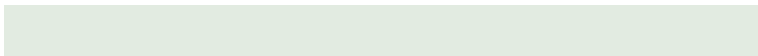
220, 229, 242



239, 230, 240



244, 234, 223



225, 235, 234

Rectangle

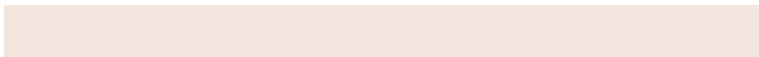
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



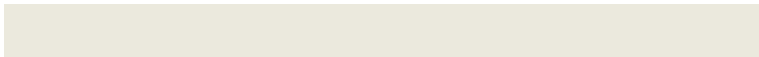
220, 229, 242



230, 232, 244



244, 234, 223



223, 235, 221

Sweetspot

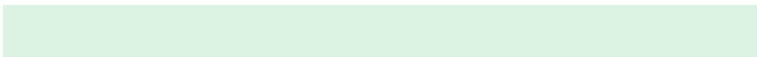
The Sweet Spot groups the original color and five complimentary colors.



220, 229, 242



247, 250, 255



220, 237, 242



122, 124, 128



0, 0, 0



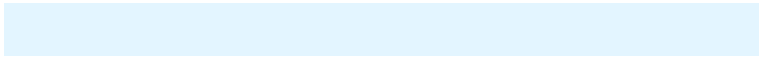
128, 128, 128

Same Dimension

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



220, 229, 242



227, 238, 255



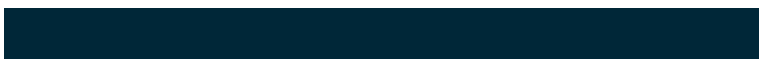
220, 223, 242



108, 113, 120



0, 75, 184



0, 23, 56

Inverse Universe

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



242, 220, 235



255, 227, 246



225, 242, 220



120, 108, 116



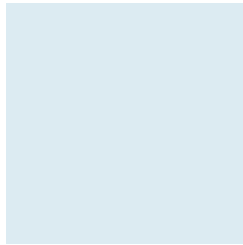
184, 0, 127



56, 0, 39

Previews

White Background



This preview shows how the RYB color 220, 229, 242 looks on a white background.

Color Contrast Check

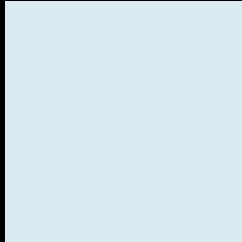
Large Text (above 18pt) WCAG AA × Fail

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, 229, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

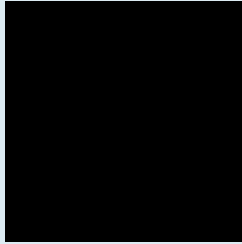
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

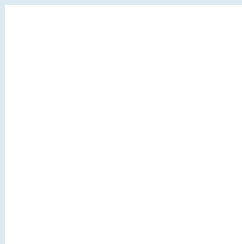
Any Text WCAG AAA ✓ Pass

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

RYB 220, 229, 242 Background



This preview shows how black text looks on a background with the RYB color 220, 229, 242.



This preview shows how white text looks on a background with the RYB color 220, 229, 242.

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](#).

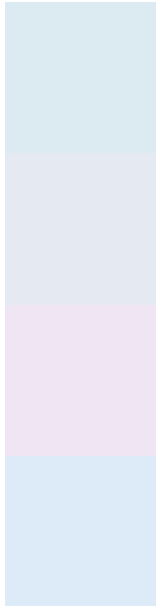
Dichromacy





Tritanopia
222, 231, 252

Trichromacy



Original Color

220, 229, 242

Protanomaly

229, 232, 241

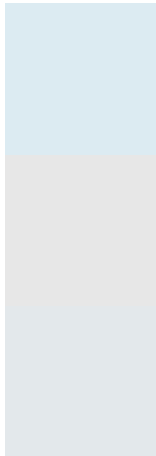
Deuteranomaly

239, 229, 243

Tritanomaly

221, 230, 248

Monochromacy



Original Color

220, 229, 242

Achromatopsia

231, 231, 231

Achromatomaly

227, 230, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 229, 242 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(220, 235, 242) looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 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(220, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 242) }
```

Border

The CSS property to change the border of an element to RYB 220, 229, 242 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(220, 235, 242) }
```

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

```
.border{ border-color:rgb(220, 235, 242) }
```

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

Here you see how a box with a 4 pixel rgb(220, 235, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 220, 229, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 242) }
```

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

```
.background{ background-color: rgb(220,  
235, 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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