

Converting Colors

`RYB(216, 224, 240)`

Have a look what the booklet for
RYB(216, 224, 240) contains.

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Color

R_YB(216, 224, 240)

Conversions

Conversions Part 1

Format	Color
Hex	D8E4F0
RGB	216, 228, 240
RGB Percent	85%, 89%, 94%
CMY	0.1529, 0.1059, 0.0588
CMYK	0.10, 0.05, 0.00, 0.06
HSL	210°, 44%, 89%
HSV	210°, 10%, 94%
XYZ	71.7905, 76.3770, 93.3965
YIQ	225.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

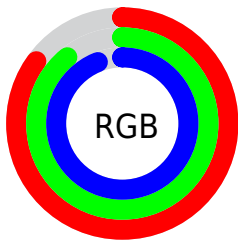
Format	Color
R _Y B	216, 224, 240
Decimal	14214384
CIE Lab	90.03, -1.69, -7.21
CIE LCh	90, 7.408, 256.791
Yxy	76.3770, 0.2972, 0.3162
Android (android.graphics.Color)	4292404464 (0xFFD8E4F0)
YUV	225.7800, 7.0105, -8.5771
Hunter-Lab	87.3939, -6.3091, -2.1865

Details

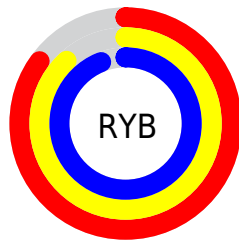
The RYB color **216, 224, 240** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **240, 240, 216**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 169, 184** is the 20% darker color. If you saturate the color by 10%, you get **192, 208, 240**, and if you desaturate by 10%, it is **240, 240, 240**.

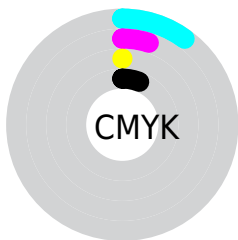
Distribution



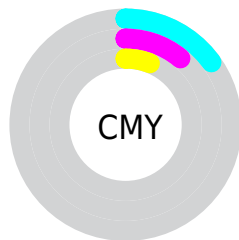
- Red (85%)
- Green (89%)
- Blue (94%)



- Red (85%)
- Yellow (88%)
- Blue (94%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 224, 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 216, 224, 240 by changing the saturation by 10% instead.

■ 216, 224, 240

255, 255, 255

■ 216, 224, 240

■ 188, 196, 212

■ 161, 169, 184

■ 135, 142, 157

■ 109, 116, 131

■ 85, 92, 106

■ 62, 69, 82

■ 39, 46, 59

■ 19, 25, 37

■ 0, 1, 16

 216, 224, 240

 216, 224, 240

 192, 208, 240


 240, 240, 240


 168, 192, 240


 244, 255, 240


 144, 176, 240

 240, 255, 240

 120, 160, 240

 96, 144, 240

 72, 128, 240

 48, 112, 240

 24, 96, 240

 0, 80, 240

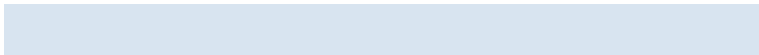
Harmonies

Analogous

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



211, 222, 236



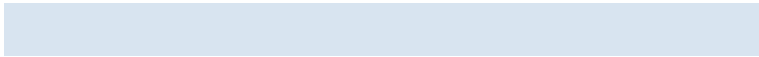
216, 224, 240



224, 226, 240

Triad

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



216, 224, 240



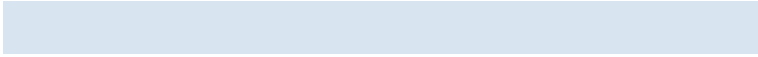
242, 222, 223



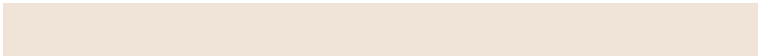
217, 229, 226

Complementary

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



216, 224, 240



240, 240, 216

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.



214, 228, 213



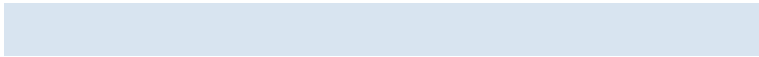
216, 224, 240



241, 226, 216

Square

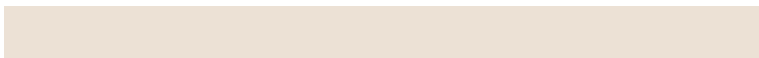
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



216, 224, 240



239, 222, 230



234, 236, 213



213, 225, 231

Rectangle

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



216, 224, 240



230, 224, 238



234, 236, 213



215, 229, 221

Sweetspot

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



216, 224, 240



247, 250, 255



216, 232, 240



122, 124, 128



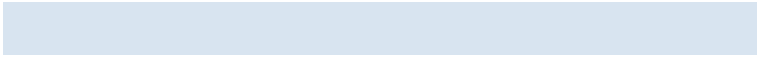
0, 0, 0



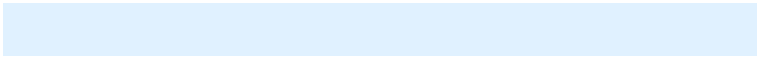
128, 128, 128

Same Dimension

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



216, 224, 240



224, 235, 255



216, 216, 240



108, 112, 120



0, 61, 184



0, 19, 56

Inverse Universe

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



240, 216, 228



255, 224, 240



216, 240, 216



120, 108, 114



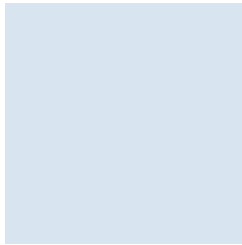
184, 0, 92



56, 0, 28

Previews

White Background



This preview shows how the RYB color 216, 224, 240 looks on a white background.

Color Contrast Check

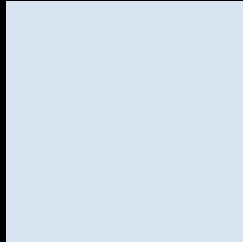
Large Text (above 18pt) WCAG AA × Fail

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 216, 224, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

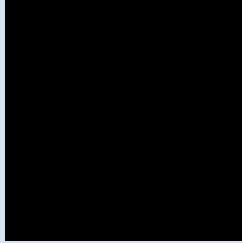
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

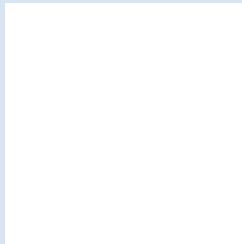
Any Text WCAG AAA ✓ Pass

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

RYB 216, 224, 240 Background



This preview shows how black text looks on a background with the RYB color 216, 224, 240.



This preview shows how white text looks on a background with the RYB color 216, 224, 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](#).

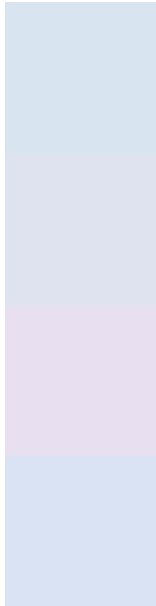
Dichromacy





Tritanopia
217, 224, 245

Trichromacy



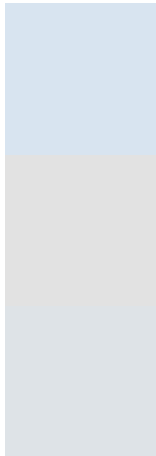
Original Color
216, 224, 240

Protanomaly
223, 226, 239

Deuteranomaly
232, 223, 241

Tritanomaly
217, 224, 243

Monochromacy



Original Color
216, 224, 240

Achromatopsia
226, 226, 226

Achromatomaly
222, 225, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 224, 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(216, 228, 240) looks like.

```
.text, #text, p{  
    color:rgb(216, 228, 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(216, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 228, 240) }
```

Border

The CSS property to change the border of an element to RYB 216, 224, 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(216, 228, 240) }
```

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

```
.border{ border-color:rgb(216, 228, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 228, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(216, 228,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 216, 224, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 228, 240) }
```

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

```
.background{ background-color: rgb(216,  
228, 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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