

Converting Colors

`RYB(220, 230, 240)`

Have a look what the booklet for RYB(220, 230, 240) contains.

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Color

R_YB(220, 230, 240)

Conversions

Conversions Part 1

Format	Color
Hex	DCF0F0
RGB	220, 240, 240
RGB Percent	86%, 94%, 94%
CMY	0.1373, 0.0588, 0.0588
CMYK	0.08, 0.00, 0.00, 0.06
HSL	180°, 40%, 90%
HSV	180°, 8%, 94%
XYZ	76.4035, 83.8271, 94.5914
YIQ	234.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

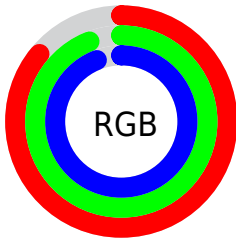
Format	Color
R _Y B	220, 230, 240
Decimal	14479600
CIE Lab	93.38, -6.54, -2.26
CIE LCh	93, 6.922, 199.038
Yxy	83.8271, 0.2998, 0.3290
Android (android.graphics.Color)	4292669680 (0xFFDCFF0F)
YUV	234.0200, 2.9481, -12.2955
Hunter-Lab	91.5571, -11.2686, 2.8351

Details

The RYB color **220, 230, 240** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **240, 220, 220**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is 255, 255, 255, and **165, 175, 184** is the 20% darker color. If you saturate the color by 10%, you get **196, 218, 240**, and if you desaturate by 10%, it is **244, 240, 240**.

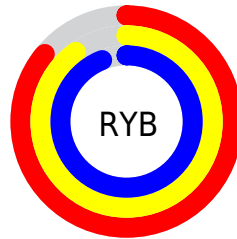
Distribution



Red (86%)

Green (94%)

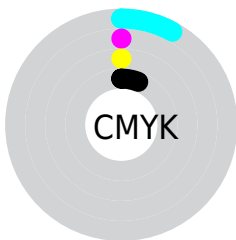
Blue (94%)



Red (86%)

Yellow (90%)

Blue (94%)

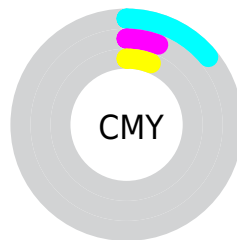


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 230, 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 220, 230, 240 by changing the saturation by 10% instead.

■ 220, 230, 240

255, 255, 255

■ 220, 230, 240

■ 192, 202, 212

■ 165, 175, 184

■ 138, 148, 157

■ 113, 122, 131

■ 88, 97, 106

■ 65, 74, 82

■ 42, 51, 59

■ 21, 29, 37

■ 0, 8, 16

 220, 230, 240

 220, 230, 240

 196, 218, 240


 244, 240, 240


 172, 206, 240

 255, 240, 240


 148, 194, 240

 124, 182, 240

 100, 170, 240

 76, 158, 240

 52, 146, 240

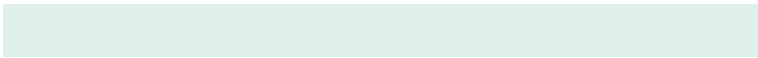
 28, 134, 240

 4, 122, 240

Harmonies

Analogous

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



223, 234, 240



220, 230, 240



221, 231, 246

Triad

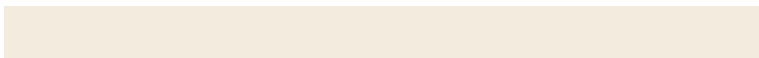
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 230, 240



242, 233, 245



239, 244, 223

Complementary

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



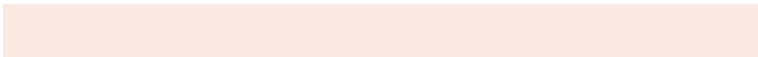
220, 230, 240



240, 220, 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.



249, 236, 226



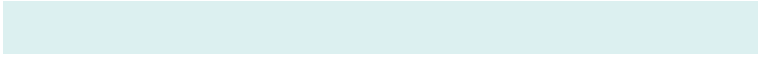
220, 230, 240



248, 232, 239

Square

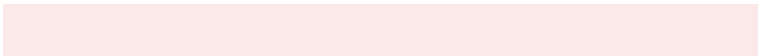
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



220, 230, 240



234, 235, 248



251, 232, 232



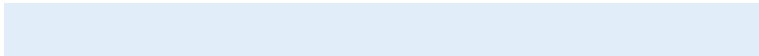
223, 237, 223

Rectangle

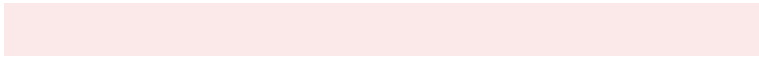
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



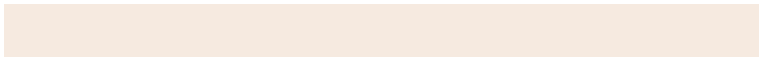
220, 230, 240



225, 233, 248



251, 232, 232



246, 242, 224

Sweetspot

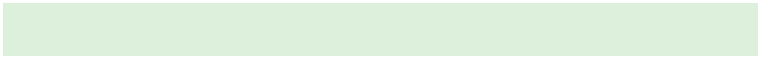
The Sweet Spot groups the original color and five complimentary colors.



220, 230, 240



247, 251, 255



220, 240, 240



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

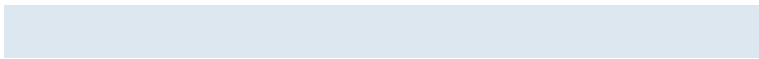
The Same Dimension uses a secret algorithm to generate beautiful new colors.



220, 230, 240



230, 243, 255



220, 227, 240



108, 114, 120



0, 92, 184



0, 28, 56

Inverse Universe

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



240, 220, 240



255, 230, 255



240, 240, 220



120, 108, 120



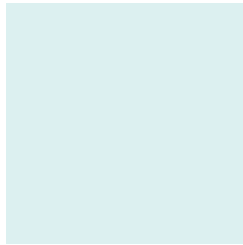
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 220, 230, 240 looks on a white background.

Color Contrast Check

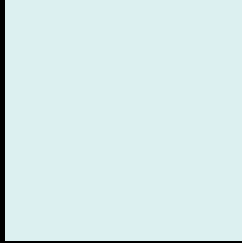
Large Text (above 18pt) WCAG AA × Fail

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 220, 230, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

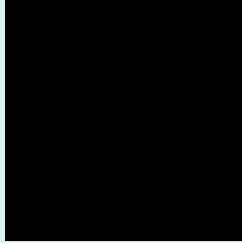
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

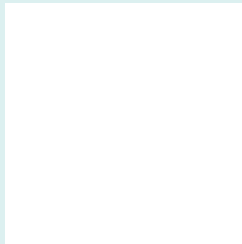
Any Text WCAG AAA ✓ Pass

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

RYP 220, 230, 240 Background



This preview shows how black text looks on a background with the RYB color 220, 230, 240.



This preview shows how white text looks on a background with the RYB color 220, 230, 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

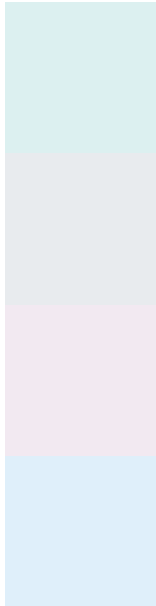




Tritanopia

224, 233, 255

Trichromacy



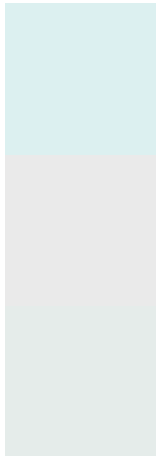
Original Color
220, 230, 240

Protanomaly
232, 234, 238

Deuteranomaly
242, 233, 241

Tritanomaly
223, 233, 250

Monochromacy



Original Color
220, 230, 240

Achromatopsia
234, 234, 234

Achromatomaly
229, 233, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 230, 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(220, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(220, 240, 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(220, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 240, 240) }
```

Border

The CSS property to change the border of an element to RYB 220, 230, 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(220, 240, 240) }
```

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

```
.border{ border-color:rgb(220, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(220, 240,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 220, 230, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 240, 240) }
```

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

```
.background{ background-color: rgb(220,  
240, 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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